

## A Variationist Sociolinguistic Analysis of Intensifiers in Oslo Norwegian

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The present study uses variationist sociolinguistic methods to examine the intensifier system in Oslo Norwegian. Results indicate that both linguistic and social factors influence intensifier use. Predicative adjectives were intensified more frequently than attributive adjectives, women used intensifiers more frequently than men, and younger speakers had higher intensification rates than older speakers. Apparent time analyses also reveal a change in progress toward the use of *skikkelig* ‘proper’, a change led predominantly by young women. Although *veldig* ‘very’ was the most frequently used intensifier, its use decreases in apparent time, whereas *skikkelig* increases in frequency among younger speakers. The development of the intensifier *skikkelig* appears to follow a common pathway of change from adjective to manner adjunct to degree adverb, as well as from appropriateness to intensification. Comparisons with work on English, German, and Norwegian reveal several crosslinguistic tendencies about the linguistic and social conditioning of intensifiers. This study provides the first variationist sociolinguistic analysis of intensifiers in Oslo Norwegian; it provides support for several crosslinguistic claims about intensifier use; and it contributes to the visibility of variationist sociolinguistic work in the study of Norwegian variation and change.

**Keywords:** intensifiers, Norwegian, Oslo, Germanic language, variationist sociolinguistics

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## 1. Introduction.

Intensifiers, defined as devices that scale a quality upward or downward from an assumed norm (Bolinger 1972:17, Quirk et al. 1985:589–590, Biber et al. 1999:554), can be used to impress, persuade, praise, and generally influence the interlocutor's reception of a message (Partington 1993:178). It therefore comes as no surprise that intensifiers are subject to perpetual renewal, recycling, and replacement (Ito & Tagliamonte 2003, Tagliamonte 2008, D'Arcy 2015, Stratton 2020a, 2022) as overuse, diffused use, and long-time use leads to a diminishment in an intensifier's ability to boost and intensify (Tagliamonte 2008:391). Several quantitative analyses have found that both linguistic (for example, syntactic function) and social factors (for example, gender, age, socioeconomic status) influence intensifier use (Ito & Tagliamonte 2003, Macaulay 2006, Tagliamonte 2008, Fuchs 2017, Stratton 2020b). In general, intensifier frequency has been found to correlate with collo-cational width (Stratton 2022), women have been found to use intensifiers more frequently than men (Fuchs 2017, Stratton 2020b), and younger generational cohorts have been found to use intensifiers more frequently than older generations (Ito & Tagliamonte 2003, Barnfield & Buchstaller 2010, Fuchs 2017, Stratton 2020b).

Crucially, however, the above studies focus predominantly on English (Peters 1994, Paradis 2000, Ito & Tagliamonte 2003, Méndez-Naya 2003, Tagliamonte & Roberts 2005, Macaulay 2006, Tagliamonte 2008, Barnfield & Buchstaller 2010, D'Arcy 2015, Fuchs 2017, Stratton 2020a, 2020c, 2021), and so it is unclear whether the same linguistic and social constraints operate on the intensifier system in other Germanic languages. Crosslinguistic and cross-Germanic data are therefore necessary for a more comprehensive understanding of the social and linguistic constraints associated with intensifier variation and change.

While there is some work on Dutch (ten Buuren et al. 2018, Richter & van Hout 2020) and Icelandic (Indridason 2018), other than recent work on German (Stratton 2020b), variationist studies on intensifier variation and change in Germanic languages outside of work on English are scarce. Norwegian in particular has received little attention. Of the previous studies (Skommer 1993, Livanova 1997, Ebeling & Ebeling 2015, Westervoll 2015, Wilhelmsen 2019, Fjeld 2020), there is only one empirical analysis of sociolinguistic variation (Fjeld 2020). The remaining studies are either descriptive in nature or have focused exclusively on

written discourse, which is of little help. Given that intensification is primarily a dialogic phenomenon (D'Arcy 2015:451), the analysis of intensifiers in spoken vernacular Norwegian is of particular importance. The lack of research on intensifiers in Norwegian is also consistent with the general dearth of literature on intensification in other Scandinavian languages, especially with respect to the use of intensifiers in vernacular speech.

The present study uses variationist quantitative methods to provide a sociolinguistic analysis of intensifiers used in the Norwegian variety spoken in Oslo. Following the Labovian tradition, where analyses have typically been limited to specific speech communities (such as Labov 1966, 1972), the present analysis focuses on the speech community of Oslo, the capital and most populous city of Norway. Using the *Norsk Talespråkskorpus Oslodelen* (Norwegian Speech Corpus Oslo part; henceforth, NoTa-Oslo), a spoken corpus stratified for gender and age, two research questions were formulated based on previous research. First, what is the distribution of intensifier variants in the Oslo speech community? In other words, are AMPLIFIERS (such as *veldig* 'very') used more frequently than DOWNTONERS (such as *litt* 'a little bit'); are specific types of intensifiers (for instance, BOOSTERS) used more frequently than others (such as MAXIMIZERS), and within these subsets, which are the most frequently used variants (such as *svært*, *veldig* 'very')? Second, which linguistic and social factors condition and constrain this system? Specifically, do the internal (for example, collocational width) and external factors (such as gender and age), which have been found to influence the English and German intensifier system, also affect the intensifier system in Oslo Norwegian? Does the observation that women have a statistical tendency to use intensifiers more frequently than men (for instance, Fuchs 2017, Stratton 2020b) also hold true in the Oslo speech community, and is there a difference between the variants favored by younger speakers and older speakers? Answering these questions provides local insight into the quantitative makeup of the intensifier system of Oslo Norwegian while also contributing more broadly to our understanding of the factors that shape intensifier variation and change in general.

The paper is structured as follows. Section 2.1 starts with a terminological overview of intensifiers, followed by a review of the literature on Norwegian intensifiers in section 2.2. Section 2.3 discusses

the linguistic and social factors that have been found to condition and constrain intensifier variation and change in English and German. The methodology is presented in section 3, which contains information about the corpus design in section 3.1, and the data coding process in section 3.2. The results are reported in section 4, divided into the distributional analysis in section 4.1 and the multivariate analysis in section 4.2. The results are subsequently discussed in section 5, followed by concluding and global remarks on intensifier variation and change in section 6.

## 2. Literature Review.

### 2.1. Terminology.

According to the *Norsk referansegrammatikk* (Faarlund et al. 1997:806), degree adverbs are adverbs “som uttrykker mengd, intensitet eller grad” [which express quantity, intensity, or degree]. This definition is in line with the traditional terminology used to describe intensifiers in work on English, such as “degree words” (Bolinger 1972:18), “degree modifiers” (Paradis 1997), and “degree intensifiers” (Allerton 1987). However, over the last two decades, the label *intensifier* has emerged as an umbrella term to describe different intensifying devices (Ito & Tagliamonte 2003, Tagliamonte & Roberts 2005, Tagliamonte 2008, D’Arcy 2015, Fuchs 2017, Stratton 2020a, 2020b, 2021, 2022). Although in the Norwegian literature intensifiers have been referred to as “gradsadverber” [degree adverbs] (Faarlund et al. 1997:806, Livanova 1997:92), “intensifikatorer” [intensifiers] (Livanova 1997:111), “forsterkere” [amplifiers] (Westervoll 2015), and “forsterkerord” [intensifying words] (Fjeld 2020), in line with previous crosslinguistic work the present study uses the term *intensifier*, which refers to both amplifiers and downtoners.

According to Quirk et al. (1985:589–590), amplifiers (Norwegian *forsterkere*) are intensifiers that “scale upwards from an assumed norm,” as in *boka var veldig morsom* ‘the book was very funny’, and down-toners (Norwegian *dempere/forminskere*) are intensifiers that scale “downwards from an assumed norm,” as in *boka var litt morsom* ‘the book was a little funny’. Amplifiers are further subdivided into maxi-mizers and boosters, according to the degree of amplification (ibid). Maximizers “denote the upper extreme of the scale,” as in *han var helt syk* ‘he was extremely/completely sick’, and boosters “denote a high degree, a high point on the scale,” as in *han var så syk* ‘he was so sick’. Boosters typically intensify scalar adjectives, which are adjectives that do not have clear

minimum and maximum reference points, as in *veldig kort* ‘very short’ and *veldig stor* ‘very big’. In contrast, maximizers are thought to intensify adjectives that do have minimum and maximum thresholds, as in *helt umulig* ‘completely impossible’.

Downtoners are further divided into APPROXIMATORS, COMPROMISERS, DIMINISHERS, and MINIMIZERS, according to the degree of moderation (ibid). Approximators “serve to express an approximation,” as in *det er bortimot umulig* ‘it is almost impossible’; compromisers “have only a slight lowering effect,” as in *han er temmelig egoistisk* ‘he is rather selfish’; diminishers “scale downwards and roughly mean ‘to a small extent’,” as in *hun er litt trist* ‘she is a little sad’, and minimizers are “negative maximizers” with the almost equivalence of “(not) to any extent’,” as in *det er neppe interessant* ‘it is hardly interesting’.

Previous quantitative analyses on English (D’Arcy 2015:460, Stratton 2020d:48–50) and German (Stratton 2020b:200) suggest that amplifiers are more frequent than downtoners, and within the subset of amplification, boosters are more frequent than maximizers. Whether this pattern holds true for Norwegian is one of the empirical questions that the present study aims to address. To facilitate crosslinguistic comparisons, we operationalize the scalar taxonomy of Quirk et al. (1985:589–590). Classifying intensifiers according to this taxonomy is in line with work on English (Ito & Tagliamonte 2003, Tagliamonte & Roberts 2005, Tagliamonte 2008, D’Arcy 2015) and German (Stratton 2020b), as well as with previous accounts of Norwegian (Bardas 2008, Ebeling & Ebeling 2015, Westervoll 2015, Wilhelmsen 2019). Moreover, our use of this scalar taxonomy is “in keeping with the principles of defining the envelope of variation” (Stratton 2020b:189).

## 2.2. Norwegian Intensifiers.

Although intensifiers can intensify several parts of speech, following previous work (Stratton 2020a, 2020b, 2021, 2022), the present study focuses on adjective intensification, which is thought to be most frequent (Bäcklund 1973:279, Androutsopoulos 1998:457–458, Westervoll 2015:4). As in other Germanic languages (for example, for Dutch, see Klein 1998:58–60; for Icelandic, see Indridason 2018:148; for German, see Stratton 2020b:186), adjectives in Norwegian can be intensified both

morphologically, as in 1, and syntactically, as in 2.<sup>1</sup> For additional emphasis, Norwegian intensifiers can also be stacked, as in *skikkelig skikkelig søt* ‘really really cute’ (referred to as *iteration*); they can co-occur with other intensifiers, as in *så veldig sulten* ‘so very hungry’ (referred to as *co-occurrence*), and they can be used in conjunction with modal particles, such as *jo*, as in *det er jo drittdårlig* ‘it is really really bad’.<sup>2</sup>

- (1) a. det er jo drittdårlig<sup>3</sup>  
 it is PTCL shit bad  
 ‘it is very bad’
- b. men jeg syns det var dødskjedelig  
 ‘but I think it was dead-boring’
- c. det var jo kjempefint tips  
 it was PTCL giant tips  
 ‘there were very good tips’
- d. et knøttlite hotellroom  
 ‘a tiny little hotel room’<sup>4</sup>
- (2) a. jeg føler at det er veldig bra sted å bo  
 I feel that it is very good place INF live  
 ‘I think that it is a very good place to live’
- b. det var jævlig morsomt  
 ‘it was very (lit. ‘devilishly’) funny’

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<sup>1</sup> Terminologically, morphological intensification can also be described as bound or synthetic intensification versus syntactic intensification, which can also be described as analytic or lexical intensification.

<sup>2</sup> For work on iteration and co-occurrence in English, see Méndez-Naya 2017.

<sup>3</sup> All numbered examples come from NoTa-Oslo. Translations throughout are functional, with literal translations in parentheses.

<sup>4</sup> For additional examples of morphological intensifiers, see Skommer 1993 and Faarlund et al. 1997:80.

- c. det er helt forskjellig  
'it is completely different'
- d. det er skikkelig skummelt  
'it is proper scary'
- e. jeg var så trøtt bestandig  
'I was so tired constantly'
- f. hvis vi er riktig heldige  
'if we are really lucky'

Relative to the number of studies on intensifiers in English, work on Norwegian intensifiers is underrepresented in research on language variation and change, and, to date, there have been no variationist sociolinguistic analyses of the Norwegian intensifier system. To the best of our knowledge, previous literature is limited to a small number of master theses (Bardas 2008, Westervoll 2015, Wilhelmsen 2019), a recent corpus-based sociolinguistic analysis (Fjeld 2020), and a limited number of descriptive and formal semantic works (Skommer 1993, Livanova 1997, Svenonius & Kennedy 2006, Ebeling & Ebeling 2015). Skommer (1993) examined the use of morphological intensification in Norwegian, focusing on semantic denotation. Ebeling & Ebeling (2015) carried out a comparative analysis of the downtoner *mer eller mindre* 'more or less', and Westervoll (2015) examined the grammaticalization of Norwegian intensifiers. In one of the most recent studies to date, Wilhelmsen (2019) compared the use of intensifiers in English and Norwegian written fiction and nonfiction texts. He found that *så* 'so', *for* 'too', and *helt* 'completely' were the three most frequently used Norwegian variants. In a corpus-based analysis, which included both spoken and written data, Fjeld (2020) found that *veldig* 'very' and *jævlig* 'very' were the most frequent variants. However, because of the methodological decision to measure frequency by normalizing and comparing the absolute frequency with the number of words per corpus, the analysis was unable to determine whether women were more likely to intensify than men and whether intensifier choices differed by gender. Because the number of words in a corpus is not the envelope of variation (Stratton 2020b:207), to accountably examine the effect of social factors such as gender and age, it is important to follow the

Principle of Accountability (Labov 1969:737–738). Therefore, given the predominant focus on written genres, and the absence of variationist sociolinguistic work, it is clear that Norwegian intensifiers warrant further research.

### 2.3. *Linguistic and Social Constraints.*

The extensive work on intensifiers in English has shown that intensifier use correlates with several linguistic and social factors (Ito & Tagliamonte 2003, Tagliamonte & Roberts 2005, Tagliamonte 2008, Fuchs 2017). With respect to the linguistic factors, several studies have found that intensifier frequency correlates with the syntactic position and semantic classification of the intensified head (Ito & Tagliamonte 2003, Tagliamonte & Roberts 2005, Tagliamonte 2008, Tagliamonte & Denis 2014, Stratton 2022). For instance, frequent collocation with predicative adjectives (as in *det er veldig lett* ‘it is very easy’) is argued to be indicative of a fully developed intensifier, whereas collocation with only attributive adjectives (as in *en skikkelig bra film* ‘a proper good movie’) is argued to be indicative of either an outgoing receding variant or the arrival of a novel but latent variant (Mustanoja 1960:326–327, Tagliamonte 2008:373, Tagliamonte & Denis 2014:116).

The number of semantic classes an intensifier is compatible with, as defined by Dixon’s classification of adjectives (1977:31, 2005:484–485), has also been found to correlate with frequency (Stratton 2022): More frequently used intensifiers collocate with adjectives from a higher number of semantic categories, and receding and less frequently used intensifiers collocate with adjectives from a smaller number of semantic categories (Ito & Tagliamonte 2003:268, Méndez-Naya 2003:377, Stratton 2020a:220–221).<sup>5</sup> Of the 11 categories laid out by Dixon (2005:484–485), adjectives of value, physical propensity, and human propensity, are usually reported as the most frequently intensified due to

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<sup>5</sup> Dixon’s (2005:484–485) eleven semantic categories are: *dimension* (for example, big, little), *physical property* (for example, hard, soft), *speed* (for example, fast, slow), *age* (for example, young, old), *color* (for example, black, white), *value* (for example, good, bad), *difficulty* (for example, easy, hard), *volition* (for example, deliberate, intentional), *qualification* (for example, possible, appropriate), *human propensity* (for example, happy, sad), *similarity* (for example, similar, different).

the symbiotic relationship between intensifier use and emotional expressivity (Athanasiadou 2007, Méndez-Naya 2008:44).

Studies have also used the polarity of an intensified head to provide insight into an intensifier's development (Partington 1993:183, Klein 1998:25). For instance, an intensifier derived from a source of negative evaluation (such as *terribly*) is argued to have undergone semantic bleaching if it comes to intensify adjectives of positive evaluation (as in *terribly funny*). An example of semantic bleaching in Norwegian is *kjempe* 'very', which started out as the noun *kjempe* 'giant', but, in its use as an intensifier, has come to intensify adjectives such as *liten* 'small' (as in *hun er kjempeliten* 'she was very small'). Similar developments have also taken place in Swedish, with the noun *jätte* 'giant', which too became an intensifier, as in *jättebra* 'very good'.<sup>6</sup>

As for the social constraints, several social factors have been found to influence intensifier use, such as gender (Tagliamonte 2008, D'Arcy 2015, Fuchs 2017, Stratton 2020b, 2020d), age (Ito & Tagliamonte 2003, Tagliamonte 2008), and socioeconomic status (Macaulay 1995, 2002). Studies on both English (D'Arcy 2015, Fuchs 2017) and German (Stratton 2020b) have found that women have a statistical tendency to intensify adjectives more frequently than men. While causation is speculative, explanations for the higher frequency among women come from two principal schools of thought. On the one hand, women may use intensifiers more frequently to compensate for their potential suppression within society (Lakoff 1975, Erikson et al. 1978, Holmes 1992:316). On the other hand, the higher frequency of intensifiers among women may be attributed to their higher sociability and expressivity when compared to men (Carli 1990). However, some evidence from English and German suggests that although women use amplifiers more frequently than men, men employ downtoners more frequently than women (D'Arcy 2015, Stratton 2020b), suggesting that while women scale up the meaning of an adjective more frequently than men, men scale down the meaning of an adjective more frequently than women (Stratton 2020b:206). To confirm the crosslinguistic validity of these gender effects, additional analyses of other

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<sup>6</sup> For further examples of semantic bleaching with respect to intensifier development consult the following sources: For examples in English, see Bolinger 1972:18 and Peters 1994:270, for Swedish, see Wijk-Andersson 1997, for Icelandic, see Indridason 2018, and for German, see Stratton 2020b:191.

languages such as Norwegian are necessary. In line with the general principles of linguistic change (Labov 2001:274–275), women have also been found to lead in the use of novel or incoming intensifier variants (see, among others, Tagliamonte & Roberts 2005). However, whether women spearhead changes in the intensifier system in Norwegian remains to be investigated.

As for age, apparent-time analyses generally indicate that younger speakers have higher intensification rates than older speakers (Ito & Tagliamonte 2003:265, Barnfield & Buchstaller 2010:261–262, Stratton 2020b:207). Studies have also found age to correlate with intensifier choice (Ito & Tagliamonte 2003, Tagliamonte 2008, Stratton 2020b), suggesting, based on the apparent-time construct, that if a variant is favored by young speakers but not by older generations, there is a change in progress (Bailey et al. 1991, Labov, 1994). Given the absence of previous variationist work on Norwegian intensifiers, it is unclear whether the aforementioned linguistic and social constraints are applicable to Norwegian. It is for this reason that these factors are included in the present analysis.

### **3. Methodology: Corpus, Data Collection, and Coding.**

The source of linguistic data for this study was the *NoTa-Oslo* corpus (Johannessen & Hagen 2008), which consists of audio-visual recordings of informal spoken interviews from 2004 to 2006. Following the practices of the sociolinguistic interview (Tagliamonte 2006), interviews were carried out in speakers' homes where possible. However, unlike traditional sociolinguistic interviews, the interviewees were asked to speak among themselves in pairs as opposed to interacting with the interviewer. This decision was made to maximize the input from native speakers, while minimizing the input from the interviewer.

A total of 166 native speakers from the Oslo region were recorded, of which 144 were equally balanced for gender ( $f=72$ ,  $m=72$ ), age (16–25=48, 26–50=48, 51+ =48), and education (university educated=70, not university educated=70). This stratified design, in addition to the availability of part-of-speech annotation, makes this corpus particularly amenable to a sociolinguistic analysis. After the removal of the four speakers for whom there is no education information, 140 speakers remain. Each speaker spoke for approximately 30 minutes, amounting to approximately 957,000 orthographically transcribed words in total. Both

audio and video recordings were taken of the initial conversations, which were subsequently transcribed orthographically and are now accessible through the corpus platform.

Following recent variationist work (Stratton 2020b), a random sample of 5,000 adjectives was extracted from the corpus using the appropriate part-of-speech annotation. Once downloaded, the envelope of variation was circumscribed to a functionally equivalent context, namely, intensifiable adjectives. In line with previous work (Ito & Tagliamonte 2003, Tagliamonte & Roberts 2005, Tagliamonte 2008, D'Arcy 2015, Stratton 2020b, 2021), nonintensifiable adjectives, such as classifiers (for example, *finansiell* 'financial', *daglig* 'daily', *utvendig* 'external'), as well as negative (for example, *jeg er ikke så flink* 'I am not so good', *jeg er ikke så gammel* 'I am not that old'), comparative (for example, *litt bedre* 'a little better', *litt smartere* 'a little smarter'), and superlative tokens (for example, *viktigste* 'most important') were manually removed from the pool of analysis. Negative contexts were removed because "negation alters the semantic-pragmatic thrust of intensification and creates non-equivalence of meaning in the context under examination," and comparative and superlative tokens were removed because these contexts can block intensification (D'Arcy 2015:459). Further functionally nonequivalent contexts, such as comparative constructions, as in *så* [+adj] *som* 'as...as', adjectives occurring after *hvor* 'how' (for example, *hvor mange* 'how many' and *hvor gammel er du?* 'how old are you?'), and fossilized nongradable collocations, such as *så klart* 'of course' and *vær så snil* 'please', were also not included in the envelope of variation. Special care was also taken to remove adverbial tokens, some of which were tagged as adjectives in the corpus and thus appeared in the random sample (for instance, *det går bra* 'it is going well', *det gikk så fint* 'it went so well').

After a qualitative weeding of the data, each adjective utterance was coded for the absence (for example, *huset er Ø stort* 'the house is big') or occurrence (for example, *huset er veldig stort* 'the house is very big') of a preceding intensifier—a practice consistent with the Principle of Accountability. Each intensifier was also coded for scalar function, that is, whether it was an amplifier or a downtoner. Because emphaziers (such as *særlig* 'particularly') are not scalar and instead are used to "reinforce the truth value" of a clause or utterance (Quirk et al. 1985:583), their presence did not count as an instance of intensification.

The variant *utrolig* ‘unbelievably’ presented a unique set of methodological challenges. While it started out as an emphazier (*u-* ‘un’ + *tro* ‘believe’ + the adverbial/adjectival suffix *-lig*), it is not entirely clear whether, in its current use, it has developed a scalar interpretation. For instance, the English intensifier *very*, which entered English from Anglo Norman *verray* ‘true/real’ (from Latin *verus* ‘real’), was first used as an emphazier prior to developing a scalar function, but this original meaning has been bleached semantically (Bolinger 1972:18, Peters 1994:270, Stratton 2020b:191). While this may have happened with *utrolig*, it is unclear at which point an emphazier becomes scalar. Even if its modern function is interpreted as scalar, it is unclear whether *utrolig* should be categorized as a booster or a maximizer. For these reasons, tokens of *utrolig* were also removed from the pool of analysis.<sup>7</sup>

As for *dritt-* ‘very’ (lit. ‘shit’), it appeared in two orthographic forms in the corpus transcriptions: *drit* and *dritt*. When the NoTa-Oslo corpus was launched, the official spelling called for the adoption of the latter orthography (that is, *dritt*), both in the noun (*dritt* ‘shit’) and intensifier (*dritt-* ‘very’) form. However, it is unclear whether the orthographic transcriptions in the corpus reflect these variable spellings or whether they reflect perceived differences in pronunciation. Fjeld (2008:24–25) suggests that *drit-* and *dritt-* are pronounced differently and may therefore have different collocational patterns, but both can intensify adjectives of negative and positive evaluation. In listening to the audio recordings, we too noticed a vowel quality distinction, with a slightly longer vowel for *drit-* than *dritt-*. However, the difference was not always perceptually salient, sometimes caused by slightly poor audio quality and speakers talking over one another. A more full-scale acoustic analysis would provide some clarity on these possible temporal differences in vowel length, but given the overall low frequency of *drit-* and *dritt-* in the corpus ( $n=14$ ), in this study they were treated as variable spellings of the same underlying intensifier. In fact, one speaker vacillated between the two forms in the same conversation, with *dritfett* ‘very cool’ pronounced with a slightly longer vowel and *drittfett* ‘very cool’ pronounced with a slightly shorter vowel. Of the 14 tokens, 13 were written together (for instance, *dritvarm* ‘very warm’, *dritlang* ‘very long’) and only one was written separately (*var drit lei seg* ‘was very sorry’). Because there were no

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<sup>7</sup> However, there were only 12 tokens of *utrolig* in the sample.

notable perceptual differences between the two, meaning that the distinction between the morphological (as in *dritt varm* ‘very warm’) and the syntactic form (as in *drit lei seg* ‘very sorry’) may simply be an orthographic one, given the higher frequency of the bound form, in this study *dritt-* is used as the generic label for both.

Similarly, although *kjempe* can theoretically be used as both a morphological (as in *det er kjempefint* ‘it is very good’) and syntactic intensifier (as in *kjempe ordentlig* ‘very appropriately’), of the 22 tokens in the sample, all were written together. Even intensified instances of present (for example, *kjempe spennende* ‘very exciting’) and past participial or deverbal adjectives (for example, *kjempe fornøyd* ‘very satisfied’) were written together as one word. In the entire corpus, that is, beyond the sample, we found only two instances of the intensifier *kjempe* written separately. While it is possible that there are some prosodic differences between the morphological and syntactic use, with a potential differentiation in degree or meaning, of the few instances in the corpus, there were no perceptible differences between the two.

For the multivariate analysis, in line with variationist work, a mixed effects logistic regression model was run using Rbrul (Johnson 2009). Intensification was run as the dependent variable, that is, the absence or occurrence of a preceding intensifier. Both linguistic (*syntactic position*, *semantic classification*) and social factors (*gender*, *age*, *education*) were included as independent variables. The factor *syntactic position* had two levels: [attributive, predicative], and *semantic classification* had eleven levels: [dimension, physical property, speed, age, color, value, difficulty, volition, qualification, human propensity, similarity]. The factor *gender* had two levels: [male, female], *age* had three levels: [16-25, 26-50, 51+], and *education* had two levels [university educated, not university educated].<sup>8</sup> *Speaker ID* was also included as a random factor to account for any idiosyncrasies among the speakers.

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<sup>8</sup> It should be pointed out that the levels in the social factors were a function of the design of the corpus. Although *gender* is not necessarily binary, like most corpora, NoTa-Oslo was tagged assuming the binary opposition *male/female*. Moreover, the levels for *age* and *education* were also dictated by the makeup of the corpus.

## 4. Results.

### 4.1. Distributional Analysis.

Of the 5,000 adjectives, 1,910 were intensifiable, of which 854 were intensified. Adjectives were therefore intensified at a rate of 44.7% (see table 1). The 854 adjectives were intensified by 32 variants (see table 2). The number one variant was the booster *veldig* ‘very’, which made up almost one third of the intensifier system (31%), followed by the downtoner *litt* ‘a little bit’ in second position (22%), and the maximizer *helt* ‘completely’ in third position (14%). The intensification of adjectives in apparent time shows that younger speakers intensified adjectives more frequently than older speakers (see figure 1).

N=1,910			
Intensified		Not intensified	
%	N	%	N
44.7	854	55.3	1,056

Table 1. Overall intensification rate.

Intensifier	Gloss	N	%
<i>veldig</i>	‘very’	264	31
<i>litt</i>	‘a little bit’	186	22
<i>helt</i>	‘completely’	121	14
<i>så</i>	‘so’	89	10
<i>skikkelig</i>	‘proper’	50	6
<i>ganske</i>	‘quite’	44	5
<i>kjempe-</i>	‘very (lit. giant)’	22	3
<i>jævlig</i>	‘very (lit. devilish)’	15	2
<i>dritt-</i>	‘very (lit. shit)’	14	1
Other <sup>9</sup>		49	6
TOTAL		854	100

Table 2. Frequency of intensifiers.

<sup>9</sup> The remaining 23 variants occurred less than six times and therefore belong to the “other” category. Examples include *svært* ‘very’, *riktig* ‘really’, and *fordømt* ‘damn’.

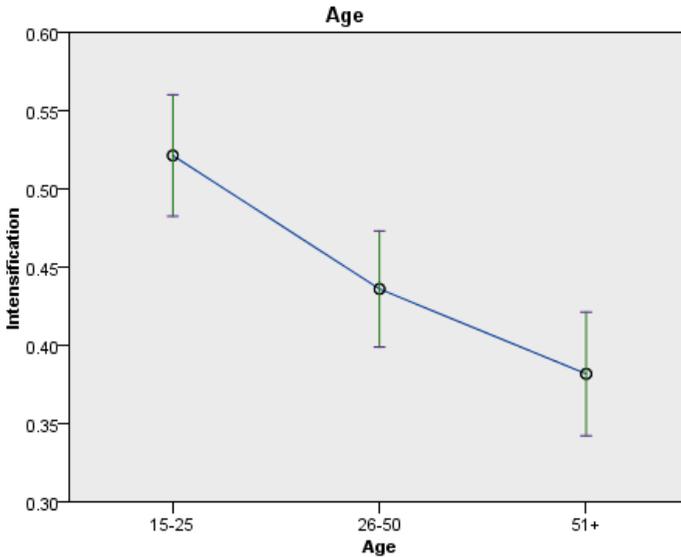


Figure 1. Intensification rate of adjectives in apparent time.

Because not all variants in table 2 are functionally equivalent, the variants were classified according to the taxonomy of Quirk et al. (1985:589). The proportion of amplifiers to downtoners is reported in figure 2, and the proportion of boosters to maximizers is reported in figure 3. Figure 2 indicates that amplification ( $n=604/854$ , or 70.7%) was more common than moderation ( $n=250/854$ , or 29.3%), and figure 3 indicates that boosters ( $n=479/604$ , or 79%) were more frequent than maximizers ( $n=125/604$ , or 21%). The booster *veldig* ‘very’, which was one of 20 boosters in the sample, was used more frequently than the total of all maximizers, which further illustrates the preference for boosting over maximizing. The distribution of boosters is reported in figure 4. With the exception of the maximizer *helt* ‘completely’, maximizers were infrequent. The variant *helt* made up 96% of the maximizer system ( $n=120/125$ ), the remaining 4% occupied by low frequency variants: *ekstremt* ‘extremely’ ( $n=2$ ), *absolutt* ‘absolutely’ ( $n=1$ ), *komplett* ‘completely’ ( $n=1$ ), and *enormt* ‘enormously’ ( $n=1$ ).

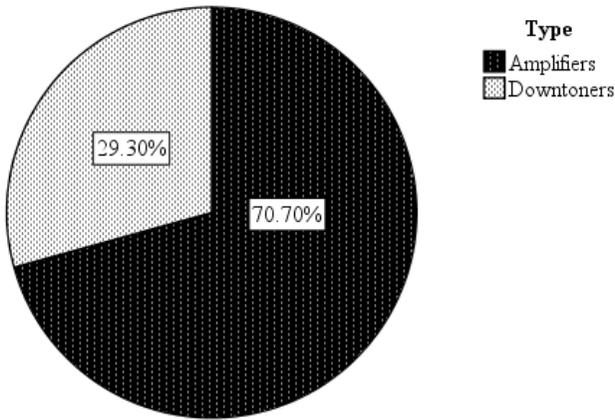


Figure 2. Proportion of amplifiers and downtoners.<sup>10</sup>

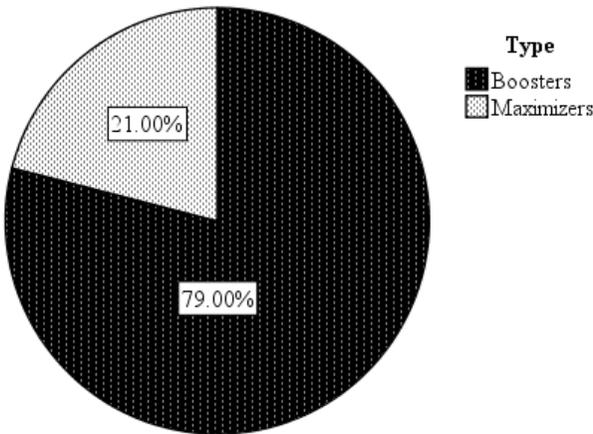


Figure 3. Proportion of boosters and maximizers.

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<sup>10</sup> Because *ganske* 'quite' can have both an amplifying and downtoning function, it was excluded from figures 1 and 2. This multifunctionality is consistent with the cognate counterpart *ganz* in German; incidentally, *quite* can also have both functions in English (Stratton 2020b:200).

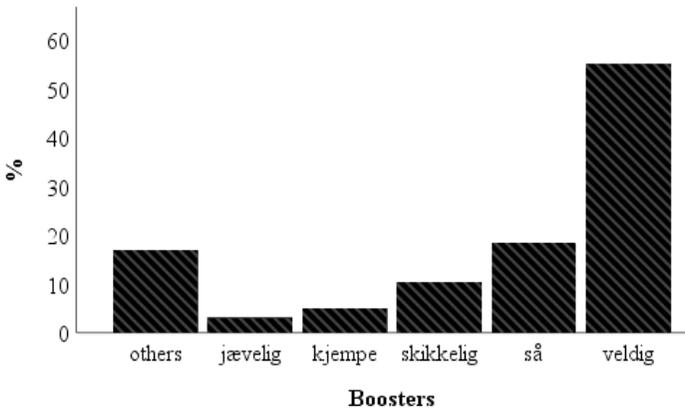


Figure 4. The distribution of the booster system.

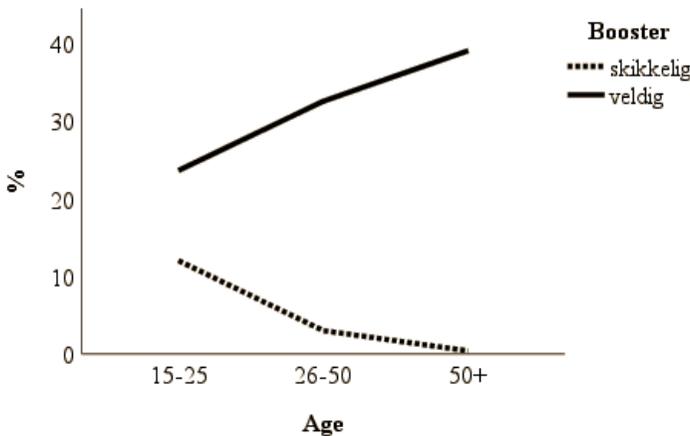


Figure 5. The use of *veldig* and *skikkelig* in apparent time.

The system of boosters was dominated by predominantly three variants, *veldig* ‘very’ ( $n=264/479$ , or 55%), *så* ‘so’ ( $n=89/479$ , or 19%), and *skikkelig* ‘proper’ ( $n=50/479$ , or 10%). Their distribution in apparent time (figure 5) indicates that although *veldig* was the number one variant in all three age groups, its frequency decreased among younger cohorts. In contrast, *skikkelig* was rarely used among older generations, but its use increased in apparent time among younger generations, suggesting a change in progress. Although similar trends were observable for *jævlig*

and *dritt-*, which increased in apparent time toward use among younger speakers, they still made up a small share of the booster system. Distributional evidence also suggests that *kjempe-* ‘very’ is an outgoing variant, making up 3.4% of the system among the 51+ cohort versus 3% in the 26–50 cohort and 1.8% in the 15–25 cohort. Examples of use from the dataset are provided in 3.

- (3) a. det var en veldig bra kamp  
       ‘it was a very good fight’
- b. første min var en drittgammel Sony  
       first mine was a shit-old Sony  
       ‘my first was a very old Sony’
- c. jeg var så bråkete  
       ‘I was so noisy’
- d. de hadde hatt skikkelig lang dag  
       they had had proper long day  
       ‘they had had a really long day’
- e. du er skikkelig barnslig  
       you are proper childish  
       ‘you are really childish’
- f. det var jævlig morsomt  
       it was devilishly funny  
       ‘it was very funny’

As for the factors *education* and *gender*, although speakers with a university education had similar intensification rates ( $n=506/1121$ , or 45%) to speakers without a university education ( $n=343/779$ , or 44%), gender did make a difference, with women intensifying more adjectives ( $n=472/987$ , or 48%) than men ( $n=382/923$ , or 41%). Specifically, women ( $n=350/987$ , or 35.4%) used amplifiers more frequently than men ( $n=254/1126$ , or 22.5%), whereas the proportion of downtoner use was fairly consistent for both men ( $n=128/1126$ , or 11%) and women ( $n=121/987$ , or 12%), albeit with a minor descriptive difference of 2%. As

for the use of specific intensifiers, *skikkelig* made up a larger share of the female booster system ( $n=36/286$ , or 13%) than the male booster system ( $n=14/182$ , or 8%), suggesting that women are spearheading the use of *skikkelig*. Use of variants such as *dritt-* was largely stable across gender, with only a small descriptive difference between men ( $n=8/182$ , or 4%) and women ( $n=6/268$ , or 2%). The same was also true for taboo intensifiers (such as *fordømt*, *jævlig*, *dritt-*), which were used infrequently by both men ( $n=19/923$ , or 2%) and women ( $n=12/987$ , or 1%).

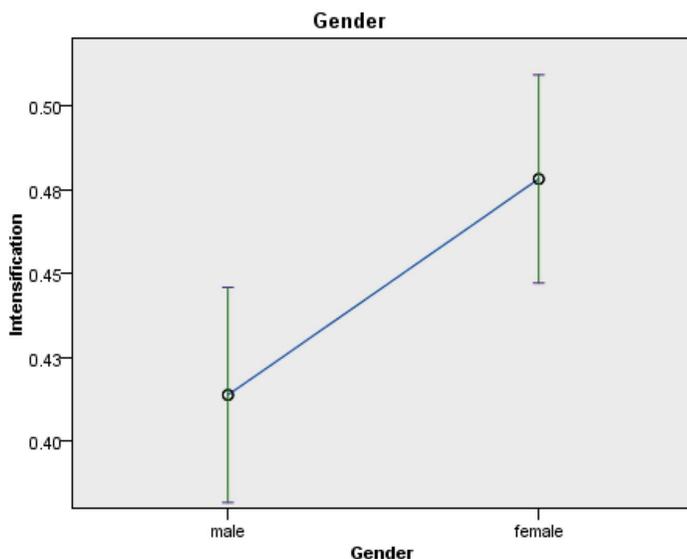


Figure 6. Intensification rate by gender.

With respect to the syntactic function, predicative adjectives were intensified more frequently than attributive adjectives. Predicative adjectives were intensified 50% of the time ( $n=750/1504$ ) and attributive adjectives were intensified 26% of the time ( $n=104/406$ ). Distributional evidence also suggests that different intensifiers have different syntactic preferences. For instance, *veldig* intensified predicative adjectives 89% of the time ( $n=236/264$ ) and attributive adjectives only 14% of the time ( $n=38/264$ ). The intensifier *litt* ‘a little’ intensified attributive adjectives only 10% of the time ( $n=19/186$ ) but predicative adjectives 90% of the time ( $n=167/186$ ). The third most frequently used variant *helt* ‘completely’ was rarely ever used to intensify attributive adjectives ( $n=10/121$ ), and

instead was used to intensify predicative adjectives 92% of the time ( $n=111/121$ ). The intensifier *skikkelig* ‘proper’ also intensified predicative adjectives ( $n=39/50$ ) more frequently than attributive adjectives ( $n=9/50$ ). Frequently used intensifiers therefore had a tendency to collocate with predicative adjectives over attributive adjectives. In contrast, infrequently used variants, such as *svært* ‘very’, predominantly intensified attributive adjectives.

As for the semantic properties, with the exception of the category *volition*, all of Dixon’s (2005:484–485) semantic categories were intensified in the sample. The category *human propensity* was intensified most frequently ( $n=159/252$ , or 63%), followed by adjectives of *value* ( $n=351/654$ , or 54%), *physical propensity* ( $n=89/214$ , or 42%), and *dimension* ( $n=91/241$ , or 37%). The distributional evidence also suggests that frequently used intensifiers are associated with a wider collocational distribution. For instance, *så* ‘so’, the second most frequently used booster, intensified adjectives belonging to all ten semantic categories. The most frequently used booster, *veldig*, frontrunner *skikkelig*, and most frequently used downtoner *litt*, collocated with adjectives from nine of the semantic categories, followed by the most frequently used maximizer *helt*, which collocated with adjectives from eight semantic categories. In contrast, less frequently used or outgoing variants, such as *svært* ‘very’, intensified a fewer number of categories. Therefore, based on the number of semantic categories they collocate with, *så* and *skikkelig* appear to be increasing in popularity, whereas variants such as *kjempe-* ‘very’, which intensified only five of the ten attested categories, show evidence of a decline in collocational width. The collocational distribution of *skikkelig* in particular suggests that its collocational width is broadening because, despite being the third most frequently used booster, it collocated with adjectives from the same number of semantic categories as the number one variant *veldig*. Its frequency in apparent time also supports this hypothesis (figure 5).

Although value adjectives were intensified most frequently by *veldig*, adjectives of speed had a higher probability of being intensified by *så*. This finding is particularly interesting given that *veldig* was used three times more frequently than *så*. As for adjectives denoting a physical property, even though their collocation with *veldig* was the highest, *så* and *skikkelig* were on par with each other. The dividing parameter was age, with speakers in the 16–25 cohort preferring *skikkelig* when intensifying

adjectives of physical property (as in *skikkelig stygg* ‘proper ugly’, *skikkelig trøtt* ‘proper tired’, *skikkelig usun* ‘proper unhealthy’, *skikkelig slitsom* ‘proper exhausting’), whereas older speakers preferred *veldig* (as in *veldig trygg* ‘very safe’).

Of the 264 adjectives intensified by *veldig*, 72% were adjectives of positive evaluation ( $n=190/264$ ) and 28% were adjectives of negative evaluation ( $n=74/264$ ). This finding is consistent with its most frequent collocations, which were with adjectives of positive evaluation: *veldig fint* ‘very good’ (32 tokens), *veldig bra* ‘very good’ (20 tokens), and *veldig glad* ‘very glad’ (17 tokens). In contrast, *skikkelig* had the opposite preference. Of the 50 intensified adjectival heads, 30 could be categorized as denoting positive or negative semantic prosody, of which 62% ( $n=24/39$ ) were adjectives of negative evaluation (such as *dårlig* ‘bad’, *sur* ‘angry’) and 38% ( $n=15/39$ ) were adjectives of positive evaluation. Interestingly, the proportion of positive and negative evaluation adjectives intensified by *så* was equal: 52% ( $n=46/89$ ) were positive evaluation adjectives and 48% ( $n=43/89$ ) were negative evaluation adjectives.<sup>11</sup>

The intensifier *dritt-* was used most frequently among younger speakers. Although it collocated with adjectives from only four semantic categories (*value*, *human propensity*, *value*, *age*), the fact that it occurred more frequently with more informal and colloquial adjectives (such as *drittaz* ‘really dull/boring’), suggests, on the one hand, that its use may be constrained by register, but, on the other hand, that it is becoming common in Oslo Norwegian.<sup>12</sup> Given that *dritt-* intensified adjectives of both positive (for instance, *dritgod* ‘very good’ [lit. ‘shit good’]) and negative semantic evaluation (for instance, *dritstreng* ‘very strict’ [lit. ‘shit strict’]), it is clear that, in its use as an intensifier, its lexical meaning has been bleached semantically.

<sup>11</sup> One possible explanation why *så* has an equal distribution when it comes to intensifying both positive and negative evaluation adjectives is that it has been in use for much longer than competing variants such as *veldig* and *skikkelig*. Its use can be found in the earliest stages of Germanic, such as Old English, as in *hie þa swa bliþe on morgenne wæron* ‘they were so happy in the morning’ (Stratton 2022:33) and Old Norse, as in *hvi Njáli þætti þetta svá úráðligt* ‘why Njal thought this so unwise’.

<sup>12</sup> For more information on the adjective *taz* ‘dull, boring’, which appears to be a recent loanword from Arabic, see Lea (2009:47–56).

#### 4.2. *Multivariate Analysis.*

To examine the statistical significance and relative weight of the linguistic (*syntactic position*, *semantic type*) and social factors (*gender*, *age*, *education*), a logistic regression was run in Rbrul (Johnson 2009). This model was chosen because of its ability to rank the factor constraints, as well as the individual levels within each factor by relative weight, and because of its ability to include each speaker (*speaker ID*) as a random factor of variation. Similar models have been run in previous studies (D'Arcy 2015, among others), and such analyses are therefore in line with the quantitative practices of modern variationist sociolinguistics (Tagliamonte 2012, among others).

The output for the model is reported in table 3.<sup>13</sup> Four of the five factors were statistically significant. With respect to the linguistic constraints, predicative adjectives were intensified more frequently than attributive adjectives, and adjectives of human propensity, difficulty, value, similarity, and physical property were intensified more frequently than adjectives from semantic categories such as *age* and *color*. As for the social constraints, women intensified adjectives more frequently than men, and younger speakers intensified adjectives more frequently than older speakers. The range for the factor group *semantic type* (.54) indicated that of the four factors, *semantic type* had the strongest effect on the intensification of Norwegian adjectives, followed by the factor *syntactic position* (.24). The range for the factor group *age* (.14) indicated that of the three social factors, it contributed most to the observed variation.

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<sup>13</sup> The total number of intensifiable contexts included in the model is listed under Total *N*. This number ( $n=1,767$ ) is different from the number reported in table 1 ( $n=1,910$ ) because for the model to have a reliable predictive capacity, each speaker must have a minimum of 10 observations (Guy 1980:30, Tagliamonte 2016:14). Therefore, speakers who contributed less than 10 intensifiable adjectives were removed from the multivariate analysis.

Input	.402		
Total <i>N</i>	1,767		
	<i>N</i>	%	FW
<b>Linguistic</b>			
POSITION (.0001)			
predicative	1,388	50.5	.62
attributive	379	.26	.38
<i>Range</i>			24
ADJ TYPE (.0008)			
human propensity	252	63.1	.72
difficulty	34	55.9	.65
value	654	53.7	.63
similarity	55	52.7	.62
physical property	214	41.6	.51
dimension	241	37.8	.47
qualification	166	33.7	.43
speed	21	33.3	.43
color	23	30.4	.39
age	107	13.1	.18
<i>Range</i>			54
<b>Social</b>			
GENDER (.01)			
female	921	49.5	.53
male	846	43.3	.47
<i>Range</i>			6
AGE (.003)			
16–25	608	54.1	.57
26–50	684	45.4	.50
51+	525	39.0	.43
<i>Range</i>			14
EDUCATION (2.72)			
higher	1,038	46.8	.50
lower	729	46.1	.50
<i>Range</i>			0
<b>Random Effect</b> (Speaker: <i>SD</i> =.40, <i>n</i> =126)			

Table 3. Logistic regression of the factors conditioning intensification.

In the next section, we discuss the results of the distributional and multivariate analyses. In particular, we focus on crosslinguistic findings with respect to the relative frequency of different types of intensifiers, their co-occurrence with adjectives belonging to different semantic categories, and the role that linguistic and social factors play in intensifier use.

## 5. Discussion.

To address the lack of sociolinguistic scholarship on Norwegian intensifiers, the present study used variationist quantitative methods to examine the intensifier system in Oslo at the onset of the 21st century. In doing so, several crosslinguistic findings emerged. First, as in English (D'Arcy 2015:460, Stratton 2020d:48–50) and German (Stratton 2020b:200), in Oslo Norwegian, amplifiers were more frequent than downtoners, and boosters were more frequent than maximizers. This quantitative evidence therefore suggests that speakers prefer to scale up the meaning of an adjective than scaling down its meaning, but boosting meaning is preferable to maximization.

Second, as in work on English and German (Ito & Tagliamonte 2003, Tagliamonte 2008, D'Arcy 2015, Fuchs 2017, Stratton 2020b), linguistic and social factors were found to have a significant effect on the use of intensifiers. Predicative adjectives were intensified more frequently than attributive adjectives, and certain semantic categories (such as *value* and *human propensity*) favored intensification more than others (such as *color* and *age*). The fact that predicative adjectives were intensified more frequently than attributive adjectives is in line with work on English (Stratton 2022). In general, collocation with predicative adjectives is thought to be indicative of a developed as opposed to latent intensifier. Distributional evidence from Oslo Norwegian seems to support this claim given that highly frequent delexicalized intensifiers, such as *veldig*, intensified predominantly predicative adjectives. In fact, this tendency was true for all scalar subsets, as the most frequently used maximizer, the most frequently used booster, and the most frequently used downtoner appeared more frequently with predicative adjectives.

As for the semantic classification, the fact that adjectives of value and human propensity were intensified most frequently is consistent with findings from English (Méndez-Naya 2008:44). Although *difficulty* was the second most frequently intensified semantic category, unlike the categories *human propensity* and *value*, the distribution of adjectives of

difficulty might not be particularly representative since there were only 32 tokens versus the 200–600 tokens for other categories. Because intensifiers allow speakers to express subjectivity (Athanasiadou 2007), it is not surprising that the adjectives that express subjectivity (that is, adjectives of value and human propensity) are the ones that are most frequently intensified.

The social factors *gender* and *age* also conditioned the use of intensifiers in Oslo Norwegian. Younger speakers had higher intensification rates than older speakers, and women intensified adjectives more frequently than men. The higher intensification rate among younger speakers is consistent with findings from apparent time analyses in work on English (Ito & Tagliamonte 2003:265, Barnfield & Buchstaller 2010:261–262) and German (Stratton 2020b:207). As for women's tendency to use intensifiers more frequently than men, this finding also corroborates work on English (Fuchs 2017) and German (Stratton 2020b), pointing toward a possible crosslinguistic and cross-cultural tendency. While it is not clear whether women use intensifiers more frequently to compensate for gender inequalities (Lakoff 1975, Erikson et al. 1978) or because women are more expressive (Carli 1990), the evidence that they use intensifiers more frequently than men is largely consistent across the three languages. It is clear that some linguistic features are associated with men and others with women (Weatherall 2016), and this may explain the differences in intensifier use. Even a century ago, reference to women's predilection for intensification was known (Stoffel 1901:101, Jespersen 1922:250). For instance, Stoffel (1901:101–102) wrote that “women are notoriously fond of hyperbole” and if men overuse intensifiers they are “ladies” men. Therefore, the fact that women are the most frequent users of intensifiers is not unexpected. Interestingly, work on German (Stratton 2020b) and diachronic work on English (D'Arcy 2015) suggests that while women scale up the meaning of adjectives more frequently than men, men scale down their meaning more frequently than women. However, the present study was not able to confirm this finding. Although the use of downtoners among men was descriptively higher than its use among women, there was only a minimal difference of 1%. Additional work is therefore necessary to confirm or dispute this specific crosslinguistic trend.

As for the makeup of specific boosters, *veldig*, *så*, and *skikkelig* were the most frequent. Although *veldig* was the number one variant in all three

age groups, apparent time analyses indicated that, at the time of the recordings, *veldig* was falling in popularity among younger speakers and was being replaced by the incoming variant *skikkelig*. Based on the assumptions of the apparent time construct, there is an observable change in progress. Not only was *skikkelig* used predominantly by younger speakers, it was also used more frequently among younger women, a finding that is consistent with the general principles of linguistic change (Labov 2001:274–275).

The intensifier *skikkelig* is interesting for a number of reasons. First, diachronic evidence suggests that it has been around for quite some time. According to Norsk Ordbok (the Dictionary of Norwegian), *skikkelig* has had an intensifying function since at least the mid-18th century (as in *han er skikkeleg galen* ‘he is proper crazy’ attested in 1743), yet the apparent time distribution from the data at the beginning of the 21st century suggests that its use in Oslo was restricted to use among younger speakers (figure 5). One interpretation of this finding is that *skikkelig* was once used as an intensifier, but it may have later dropped out of vogue and declined in frequency and has only recently been co-opted back into the system by younger speakers. This hypothesis is supported by the fact that there were no instances of its use as an intensifier in *Talesmålsundersøkelsen i Oslo* (TAUS; the Spoken Language Investigation in Oslo), a corpus consisting of informal interviews from 1971–1973. This cycle of ebb and flow is characteristic of intensifier use in general (Stratton 2020a), as overuse, diffused use, and long-time use leads to a diminishing of an intensifier’s ability to boost and intensify (Tagliamonte 2008:391), which leads to the popularity of different intensifiers waxing and waning over time (Stratton 2020a). For instance, *well* was used as an intensifier in Old English (Stratton 2022), but by the mid-14th century, its use decreased in frequency to the point where, according to traditional scholarship, it was thought to have disappeared (Stratton 2020a:220). However, recent analyses indicate that it was picked up again in 20th and 21st century British English (Stratton 2018, 2020a). Therefore, the fact that *skikkelig* was used previously but seems to have dropped out of use for a period of time before being revived is in line with previous work on the diachronic waxing and waning of the popularity of intensifiers (Tagliamonte 2008, D’Arcy 2015, Stratton 2020a).

Second, *skikkelig* is interesting because its pathway of change appears to be one that is common crosslinguistically. Like the intensifier *proper* in British English (Stratton 2021), *skikkelig* appears to have developed from

the adjective meaning ‘decent/appropriate/proper’, as in *en skikkelig løsning* ‘an appropriate solution’.<sup>14</sup> Similar patterns can be observed in Dutch (as in *behoorlijk* ‘proper/decent’ → *behoorlijk schoon* ‘very clean’) and German (as in *richtig* ‘correct’ → *richtig schön* ‘very nice’), where several adjectives of decency and appropriateness later developed into degree adverbs. In fact, the synonym of the Norwegian adjective *skikkelig*, namely, *ordentlig* ‘orderly’, has also developed an intensifying function, as in *det ser ordentlig spennende ut* ‘it looks really exciting’. Although *ordentlig* was not as frequent as *skikkelig*, which had 11 tokens of its use as an intensifier of adjectives in NoTa-Oslo, its intensifying use has been documented for a half a century. For instance, *ordentleg god mat* ‘really good food’ is attested in Norsk Ordbok from 1976. In becoming a marker of degree, these derived adverbs appear to first function as manner adjuncts prior to developing an intensifier function. For instance, Norwegian *skikkelig* first became an adverb of manner (as in *å være skikkelig kledd* ‘to be properly dressed’) and then developed into an adverb of degree (as in *skikkelig irritert* ‘very irritated’). The same is true for *ordentlig* (as in *være ordentlig dekorert* ‘to be properly decorated’ → *det var ordentlig stillig* ‘it was really quiet’); similar diachronic sequences appear to have taken place in German with *richtig* (as in *er macht das richtig* ‘he is doing that correctly’ → *das war richtig geil* ‘that was really cool’) and in British English with *proper* (as in *we do things proper[ly] in this house* → *that is proper interesting*).<sup>15</sup> The development from adjective to adverb of manner to degree adverb is consistent with previous observations in the history of English (Nevalainen & Rissanen 2002, Méndez-Naya 2003).

The use of *skikkelig* is also interesting because, like the use of *proper* (Stratton 2021), its use appears to be led by younger generations, suggesting a possible reanalysis or reinterpretation of the function of these

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<sup>14</sup> *Skikkelig* entered Norwegian via Middle Low German (*Mittelniederdeutsches Wörterbuch* [the Dictionary of Middle Low German], s.v. *schickelīk*), a common source of borrowing in Mainland Scandinavian from the 14th century onward. Derived words still retain the former meaning of decency, such as *skikk* ‘custom’, *å skikke seg* ‘to behave/conduct oneself’; see also German *sich schicken* ‘to be appropriate/decent’.

<sup>15</sup> For more information on the intensifiers *richtig* and *proper*, see Stratton 2020b, 2021.

lexical items in language acquisition. However, its collocational distribution and syntactic preferences suggest that *skikkelig* is no longer a latent variant among younger cohorts. For instance, *skikkelig* intensified the same number of semantic categories as the most frequent booster *veldig* despite being three times less frequent. Moreover, *skikkelig* collocated more frequently with predicative adjectives than attributive adjectives. Because collocational width and frequent use with predicative adjectives are attributes of a frequently used and developed intensifier (Tagliamonte & Denis 2014, Stratton 2022), *skikkelig* appears to be a versatile and established variant. We found no differences in the use of *skikkelig* according to the data from a location within Oslo, even though the East Oslo variety is generally thought to be influenced by local spoken dialects and the West Oslo variety is thought to be more influenced by the written standard/Dano-Norwegian (Hagen & Simonsen 2014). Forty-eight percent of the tokens ( $n=24/50$ ) came from East Oslo and 52% ( $n=26/50$ ) came from the rest of Oslo.<sup>16</sup> Similarly, no notable differences were observed for other intensifiers. For instance, half of the tokens of *dritt-* ( $n=7/14$ ) came from East Oslo and half of the tokens ( $n=7/14$ ) came from the remaining parts of Oslo. However, whether the intensifying use of *skikkelig* is generalizable to other Norwegian speech communities outside of Oslo is a question for future research. Given the correlation between lexical variation and sociogeographical belonging, it is reasonable to hypothesize that different speech communities would favor different variants, the use of *gysla*, *kjøle*, and *fette* ‘very’ being recent examples. *Gysla* (as in *det er gysla varmt* ‘it is very warm’) is an intensifier that seemingly indexes Southwest Norwegian speech; *kjøle* (as in *det er kjøle varmt* ‘it is really warm’) is an intensifier that indexes Central Norwegian speech, and *fette* (as in *det er fettevarmt* ‘it is very warm’), which has caused recent debate in Norwegian media, is indexical of North Norwegian speech.<sup>17</sup>

In addition to *skikkelig*, the intensifier *dritt-* ‘very’ was constrained by age. Although it occurred only 13 times, its use was almost exclusively restricted to the 16–25 cohort. A search for *dritt-* in the larger corpus, that

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<sup>16</sup> In NoTa-Oslo, the metadata for *bosted* ‘place of residence’ is divided into West Oslo and the rest of Oslo.

<sup>17</sup> The authors are thankful to the anonymous reviewer for their comments about *gysla*, *kjøle*, and *fette*.

is, beyond the sample of the 5,000 adjectives, confirms that in 2004–2006 its use was more common among younger speakers. Tokens of its use also illustrate that young speakers use *dritt-* to intensify novel adjectives (for example, *den er egentlig drittfunny* ‘it is actually really funny’, *drittsjpa* ‘really good’, *dritkeen* ‘really keen’, *drittaz* ‘really dull/boring’), many of which are loanwords. Its use by predominantly young speakers, its original denotation (as in *drit* ‘shit’, *å drite* ‘to shit’), as well as the types of adjectives it intensified suggests that its use is also restricted to informal registers. Its use as an intensifier of both adjectives of positive (as in *dritkul* ‘really cool’, *dritgod* ‘really good’) and negative semantic prosody (as in *dritstreng* ‘really strict’) also shows that *dritt-* has clearly undergone semantic bleaching and grammaticalization.

## 6. Conclusion.

Given the predominant focus on English intensifiers in previous research, the present study carried out a variationist sociolinguistic analysis of Norwegian intensifiers based on data from the Oslo speech community. While several local findings were uncovered about the sociolinguistic makeup of the Oslo intensifier system, such as the change in progress toward the use of *skikkelig*, the present study also provided cross-linguistic support for several findings about intensifier variation and change. Given the consistent methodology (that is, variationist socio-linguistic methods), a number of comparisons with work on English and German can be made to make some broader generalizations about intensifier variation and change in Germanic languages. First, younger speakers appear to be more prone to intensification than older speakers. Second, women have a statistical tendency to use intensifiers more frequently than men. Third, amplifiers are more frequent than down-toners, and within the subset of amplification, boosters are more frequent than maximizers. Fourth, frequently used intensifiers are usually ones that collocate most widely. Fifth, predicative adjectives are more prone to intensification than attributive adjectives. Finally, adjectives that are part of the semantic field of decency and appropriateness appear to have a propensity to develop an intensifying function: First, they become adverbs where they function as manner adjuncts and then become degree markers.

There are, however, a number of issues beyond the scope of the present study that remain to be investigated. This study focused on the Oslo speech community, and although the present findings can be used to

make inferences about the larger Norwegian system, since each speech community is different, it is important to examine the intensifier system and the associated variable constraints in other speech communities across Norway. Similarly, given the lack of sociolinguistic work on Danish and Swedish, the study of intensifier variation and change would also benefit from future work on other Scandinavian languages. Therefore, in the interest of uncovering emerging patterns associated with intensifier variation and change in Germanic languages, the authors encourage future sociolinguistic work, particularly variationist socio-linguistic work, on different Norwegian speech communities as well as other Scandinavian languages in general. Given the time depth of the data (that is, 2004–2006), another question open for future research is whether the momentum of intensifiers such as *skikkelig* is maintained across new generations in Oslo or whether its use has been subject to age-grading. The authors hope to have created an impetus to investigate these topics and research questions.

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