Quite diverse: A corpus-driven analysis of quite + ADJ in twenty varieties of English

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Thinking globally...

• Traditionally, variational linguistics focuses on geographic and social distribution of formal variants (cf. eWAVE: Kortmann & Lunkenheimer 2013), whereas the semasiological differences between geographic and social variants of the same form remain understudied.
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- This situation can be explained by more labour-intensive and subjective procedures involved in semantic comparisons and a lack of reliable *tertia comparationis*. 
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• This situation can be explained by more labour-intensive and subjective procedures involved in semantic comparisons and a lack of reliable *tertia comparationis*.

• We can use large-scale corpus data and distributional cues (collexemes) to pinpoint subtle semantic differences between multiple geographic variants of a construction

  - a case study of *quite* + ADJ in 20 varieties of English
GloWbE varieties

1.9 billion words, 20 countries
web-based corpus by Mark Davies (2013)
http://corpus.byu.edu/glowbe/
Outline

1. Theoretical background: variation of *quite*

2. Top-down approach:
   - GloWbE corpus
   - TripAdvisor reviews

3. Bottom-up approach: a clustering model of geographic variants of *quite* + ADJ

4. Conclusions and a warning
**quite + ADJ: main functions**

- **Maximizer:** *All art is quite useless.* (O. Wilde)
  
  \[ \approx \text{absolutely, completely, entirely} \]

(based on Quirk et al. 1985 and Paradis 1997)
quite + ADJ: main functions

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• Moderator: *The paella was quite good although I have had better.* *(TripAdvisor)*
  ≈ *fairly, pretty, rather*

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Macmillan English Dictionary for Advanced Learners 2007: 1218
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Exception: *The whole experience was quite amazing.*

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Research questions

• Do these differences really exist? And what about other geographic varieties of English?
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Quite + ADJ GloWbE

- 237,951 instances of adverb *quite* immediately followed by an adjective in 20 varieties
- 6,096 adjectives
Frequencies of *quite* + ADJ
## Distributional cues

<table>
<thead>
<tr>
<th>Adjectives</th>
<th>Examples</th>
<th>Function of QUITE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scalar</strong></td>
<td>good, nice, cheap, hard, rich, interesting</td>
<td>moderator (BrE) or booster (AmE)</td>
</tr>
<tr>
<td><strong>Limit</strong></td>
<td>different, sure, cooked, wrong, dead</td>
<td>maximizer</td>
</tr>
<tr>
<td><strong>Extreme</strong></td>
<td>huge, marvellous, extraordinary, scorching</td>
<td>maximizer (BrE)</td>
</tr>
</tbody>
</table>

(Based on Paradis 1997)
Limit Adjectives

\(quite = \text{maximizer}\)

Data from GloWbE
Extreme Adjectives

\[ \text{quite} = \text{maximizer} \]

Data from GloWbE
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Data from tripadvisor

- 90 reviews of hotels, restaurants and attractions containing “quite nice”
- Ratings from 1 (terrible) to 5 (excellent)
- User profiles: “lives in” the USA, UK, Australia, Canada, India, Ireland
“Quite nice and good value”

Reviewed June 2, 2014

Went here to meet my cousin and his family for lunch. A lot of food varieties (starter, salad, especially the main course) to choose from, although not much of special dishes but still mostly taste quite nice, acceptable. For chinese food, it's quite decent. Location is pretty ideal, near the Edinburgh castle, and it start business at 12PM so one can plan to have lunch after visiting the castle in the morning or before visiting the castle.

Visited May 2014

Value: 3/5
Atmosphere: 4/5
Food: 4/5
Service: 4/5

Was this review helpful? Yes

Ask KDH1976 about Jimmy Chung Lothian Road/Usher Hall

This review is the subjective opinion of a TripAdvisor member and not of TripAdvisor LLC.
Mean ratings

Kruskal-Wallis $\chi^2 = 23.747$, df = 5, p < 0.001
Interpretation

- American and South Asian varieties, which emerged earlier, have the highest relative frequency of limit adjectives (the maximizer function). With scalar adjectives, *quite* seems to be closer to a booster.
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• The moderating function and the use with extreme adjectives are the most prominent in British English and those varieties, where English was ‘exported’ relatively late (AU, NZ, ZA) (Trudgill & Hannah 1982).
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• The moderating function and the use with extreme adjectives are the most prominent in British English and those varieties, where English was ‘exported’ relatively late (AU, NZ, ZA) (Trudgill & Hannah 1982).

• This ties in with historical evidence that the maximizer function is the earliest one, occurring already in Shakespeare and Milton’s works, whereas the moderating function is attested only from the mid-19th century (Stoffel 1901; www.etymonline.com).
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A Semantic Vector Space model

- Step 1. Take the frequencies of adjectives that fill in the slot of quite + ADJ in all geographic varieties of the GloWbE.
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  20 vectors with weighted frequencies that represent the geographic variants of *quite* + ADJ
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• Step 4. Use a clustering algorithm (here: agglomerative hierarchical clustering).
Cluster Dendrogram

quite.dist
hclust (*, "complete")
Top 10 most distinctive collexemes in 6 clusters

<table>
<thead>
<tr>
<th>L1 varieties</th>
<th>West Africa</th>
<th>South Asia</th>
<th>South East Asia</th>
<th>South and East Africa</th>
<th>Jamaica and Philippines</th>
</tr>
</thead>
<tbody>
<tr>
<td>right</td>
<td>unfortunate</td>
<td>evident</td>
<td>nice</td>
<td>chilly</td>
<td>popular</td>
</tr>
<tr>
<td>happy</td>
<td>reserved</td>
<td>natural</td>
<td>packed</td>
<td>high</td>
<td>expensive</td>
</tr>
<tr>
<td>sure</td>
<td>interesting</td>
<td>popular</td>
<td>expensive</td>
<td>hot</td>
<td>affordable</td>
</tr>
<tr>
<td>wrong</td>
<td>intriguing</td>
<td>common</td>
<td>disappointed</td>
<td>encouraging</td>
<td>fine</td>
</tr>
<tr>
<td>correct</td>
<td>commendable</td>
<td>simple</td>
<td>fun</td>
<td>steep</td>
<td>erect</td>
</tr>
<tr>
<td>different</td>
<td>presumptuous</td>
<td>opposite</td>
<td>good</td>
<td>taxing</td>
<td>commendable</td>
</tr>
<tr>
<td>extraordinary</td>
<td>challenging</td>
<td>famous</td>
<td>pricey</td>
<td>cool</td>
<td>torque</td>
</tr>
<tr>
<td>separate</td>
<td>understandable</td>
<td>impossible</td>
<td>surprised</td>
<td>malnourished</td>
<td>well-liked</td>
</tr>
<tr>
<td>ready</td>
<td>grave</td>
<td>obvious</td>
<td>spacious</td>
<td>impressive</td>
<td>young</td>
</tr>
<tr>
<td>likely</td>
<td>encouraging</td>
<td>confident</td>
<td>troublesome</td>
<td>rocky</td>
<td>challenging</td>
</tr>
</tbody>
</table>

All $p < 0.001$

see Gries & Stefanowitsch (2004)
## Adjective classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>good, bad, lovely, perfect, odd, lucky</td>
</tr>
<tr>
<td>Human Propensity</td>
<td>jealous, happy, kind, clever, eager</td>
</tr>
<tr>
<td>Human Epistemic</td>
<td>aware, sure, ignorant</td>
</tr>
<tr>
<td>Qualification</td>
<td>usual, normal, appropriate</td>
</tr>
<tr>
<td>Qualification Epistemic</td>
<td>true, right, evident, obvious</td>
</tr>
<tr>
<td>Dimension</td>
<td>small, large, tall, wide, deep</td>
</tr>
<tr>
<td>Difficulty</td>
<td>easy, difficult, tough, simple</td>
</tr>
<tr>
<td>Similarity</td>
<td>similar, dissimilar, identical, other</td>
</tr>
<tr>
<td>Physical Property</td>
<td>wet, rough, clean, hot, dead, sick</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>young, slow, far, blue</td>
</tr>
</tbody>
</table>

Based on Dixon (2004), with some modifications
Semantic classes of distinctive collexemes ($p < 0.001$)

Adjective classes are represented by the sums of the distinctiveness scores of the adjectives that belong to each class.
Human Propensity Classes

Adjective classes are represented by the sums of the distinctiveness scores of the adjectives that belong to each class.

e.g. quite happy, quite sure
Adjective classes are represented by the sums of the distinctiveness scores of the adjectives that belong to each class.
Interpretation

• Human Propensity classes: the use of English in L1 varieties may be more subjective and intersubjective than in other Englishes, which are used primarily in public and impersonal domains.

• Qualification Epistemic class: A closer look at the contexts suggests that the construction is often used to express agreement (You’re quite right) or soften the disagreement (I don’t think you’re quite right) with the interlocutor. Again, such uses are intersubjective.
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• However, the geographic differences are not restricted to the ones explained by the historical factor. The use of *quite* seems to be influenced by cultural constraints, such as the domain of English use.
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• However, the geographic differences are not restricted to the ones explained by the historical factor. The use of *quite* seems to be influenced by cultural constraints, such as the domain of English use.

• Further research is needed to pin down more subtle differences and filter out potential corpus noise.
A warning

10 Things That Americans Don’t Realize are Offensive to Brits

... 

**Describing something as “quite” good**

Using “quite” to mean “very” is an English language anachronism that’s thriving in the U.S. A British friend recently told me about the time his American partner joined him for a family Christmas back home. Thinking she was offering up high praise, she managed to upset her U.K. hosts by describing dinner as “quite good.” To their ears, “quite” in this context detracted from the “good”: the meal was passable but could have been better.

Thank you!

Quite British

Greetings!

I am Sir Frederick Farnsworth.

And I am quite British

A rather spiffing webcomic