A Question of Style: corpus building and stylistic analysis of the Edinburgh Review and Quarterly Review, 1814-1820

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A Question of Style: corpus building and stylistic analysis of the *Edinburgh Review* and the *Quarterly Review*, 1814-1820

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A Question of Style

• Winner, 2016 RSVP Field Development Grant

• Research question:
  • Did the *Edinburgh Review* create a “transauthorial discourse” (Jon Klancher) that hid individual authorial voices behind an impersonal corporate style?
INTRODUCTION
The Edinburgh Review

• Founded in 1802 by members of Whig intelligentsia
• Book reviews, but actually essays with political aims
• All articles published anonymously
• Most articles by now attributed
• Extremely influential, so Quarterly founded in 1809 as Tory counterpart
Editorial interventions

- *ER* editor Francis Jeffrey and *QR* editor William Gifford edited articles
- “retrenchments and verbal alterations” (Jeffrey)
- “tampering with articles” (Ugo Foscolo)
- Do these editorial interventions produce a uniform *ER* style?
Additional questions

• Are reviews of the same text similar to one another? (10 pairs of reviews)

• Does the genre of the text being reviewed influence the style of the review? (3 genres)
Corpus selection

The composition and rationale of our corpus
CORPUS
Size, composition, rationale

• Articles from three genres:
  • Reviews of literature
  • Reviews of travel
  • Reviews of history

• Written by most frequent contributors in these fields
  • *ER*: Jeffrey, Brougham, Smith, Hazlitt, Mackintosh, Moore, Palgrave, Allen, Playfair
  • *QR*: Croker, Scott, Wilson, Barrow, Southey

• Reviewing significant literary or historical works
  • *Waverley, The Corsair, The Excursion, Emma, Christabel, Childe Harold, Frankenstein, Lewis and Clark Journals …*
OCR correction

Post- Optical Character Recognition processing
Post-OCR processing

- Challenge: Need to correct OCR from Google Books
- Problem: OCR errors too inconsistent for automation
- Individual spelling choices
  - Publick
- Regional identities
  - Perswaded
- Language transformation
  - Shakspear, Shakspeare, Shakespear, Shakespeare
- Solution: David reviewed all proposed automated corrections and “spelling mistakes” against the digitised source image
Quotations

Or, what is in a review?
Or, what is in a review?

Chart Title

- ERQRCorp: Non-quote 65% Quote 35%
- ERCorp: Non-quote 63% Quote 37%
- QRCorp: Non-quote 71% Quote 29%
Or, what is in a review?

### Quotations % Max and Min

<table>
<thead>
<tr>
<th>Corpus</th>
<th>Quote % Max</th>
<th>Quote % Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERCorp</td>
<td>79%</td>
<td>1%</td>
</tr>
<tr>
<td>QRCorp</td>
<td>65%</td>
<td>11%</td>
</tr>
</tbody>
</table>
Or, what is in a review?

• The presence of quotations is a problem for our chosen analytical methods

• e.g. we want to analyse Francis Jeffrey’s style (reviewer), not Walter Scott’s (reviewed)

• Solution:
  • David marked quotations using TEI XML <quote> element
  • Then we removed quotations using XSL transformation

• This reduces the total size of the ERQR corpus to 512,702 words
Analysis

Stylometry
Stylometry in brief

• The study of how hidden stylistic traits can be measured through statistical methods to trace an author's voice

• Delta method introduced by John Burrows in his 2001 Busa Award lectures and beyond

• Generally concerned with authorship attribution but increasingly used to study style more broadly

• Burrows’ s Delta method implemented by Eder, Rybicki and Kestemont’s Stylo software package

• Improved method Cosine Delta developed by University of Würzburg

• Based on analysis of most frequent words
Stylometry: by journal using Stylo (Eder, Rybicki, Kestemont); Cosine Delta; 300 MFW
Stylometry: by genre (using Stylo (Eder, Rybicki, Kestemont); Cosine Delta; 300 MFW)
Stylometry: by author using Stylo (Eder, Rybicki, Kestemont); Cosine Delta; 300 MFW
Next steps
• Some traces of “house style”

• Influence of genre of text being reviewed

• Influence of text being reviewed (to an extent)
And more questions

• Stylometry with:
  • Character n-grams
  • Positive vs. negative reviews

• Corpus stylistics with:
  • Keywords
  • N-grams

• Assessment of the benefits of curation:
  • Keeping quotations
  • Using “raw” OCR

• Archival research
  • Comparing edited vs. unedited versions of articles
“Many interesting things cannot be counted, but many others can.”

—John Burrows
THANK YOU!

Download our corpus from ORDO (search for RSVP)
https://doi.org/10.21954/ou.rd.6850865.v1

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