xiang_2017_a_comparative_analysis_of_major_online_revie w_platforms_implications_for_social_media_analytics_in_h ospitality_and_tourism



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Author(s)

Zheng Xiang and Qianzhou Du and Yufeng Ma and Weiguo Fan

Title

A comparative analysis of major online review platforms: Implications for social media analytics in hospitality and tourism

Venue

Tourism Management

Topic labeling

Manual

Focus

Secondary

Type of contribution

Established approach

Underlying technique

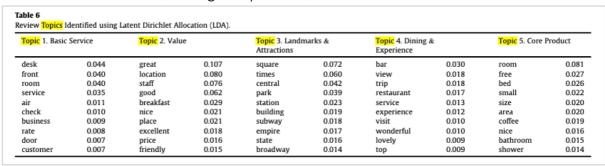
Manual labeling

Topic labeling parameters

/

Label generation

Based upon their meanings these topics were manually labelled as Basic Service, Value, Landmarks & Attractions, Dining & Experience, and Core Product.



Motivation

To more succinctly: "understand potential differences between the three platforms, we then examined the manifestation of these five topics on each of these websites."

Topic modeling

LDA

Topic modeling parameters

Nr of topics: 5

Nr. of topics

5

Label

Single or multi-word manually assigned label (one of Basic Service, Value, Landmarks & Attractions, Dining & Experience, and Core Product.)

Label selection

Label quality evaluation

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Assessors

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Domain

Paper: Tourism and Hospitality

Dataset: Hotels (Reviews)

Problem statement

Online consumer reviews have been studied for various research problems in hospitality and tourism. However, existing studies using review data tend to rely on a single data source and data quality is largely anecdotal. This greatly limits the generalizability and contribution of social media analytics research. Through text analytics this study comparatively examines three major online review platforms, namely TripAdvisor, Expedia, and Yelp, in terms of information quality related to online reviews about the entire hotel population in Manhattan, New York City.

Corpus

Origin: TripAdvisror, Expedia, and Yelp

Nr. of documents: 820778

Details:

- Data collection in late 2015 on all searchable hotel properties in Manhattan, NYC.
- 439 k reviews from TripAdvisor, 481 k from Expedia, and 31 k from Yelp for a total of approx. 500 hotel properties

| Table 2 Summary of the main data set. | | | | |
|---------------------------------------|-------------|--------------------|--------------------------------------|--------------------------------|
| Review Platform | N of Hotels | N of Reviews | N of English Reviews (percentage) | N of English Reviews per Hotel |
| TripAdvisor Expedia | 443 467 | 438,890 480,589 | 438,826 (99.99%) 351,182 (73.07%) | 991 752 |
| Yelp | 581 | 30,816 | 30,770 (99.85%) | 53 |

Document

Hotel review + name of the hotel property, its address, hotel class, user responses

(usefulness or helpfulness), and the overall rating.

Pre-processing

- tokenization
- stop words removal

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@article{xiang_2017_a_comparative_analysis_of_major_online_review_platforms_imp
lications_for_social_media_analytics_in_hospitality_and_tourism,
  abstract = {Online consumer reviews have been studied for various research
problems in hospitality and tourism. However, existing studies using review
data tend to rely on a single data source and data quality is largely
anecdotal. This greatly limits the generalizability and contribution of social
media analytics research. Through text analytics this study comparatively
examines three major online review platforms, namely TripAdvisor, Expedia, and
Yelp, in terms of information quality related to online reviews about the
entire hotel population in Manhattan, New York City. The findings show that
there are huge discrepancies in the representation of the hotel industry on
these platforms. Particularly, online reviews vary considerably in terms of
their linguistic characteristics, semantic features, sentiment, rating,
usefulness as well as the relationships between these features. This study
offers a basis for understanding the methodological challenges and identifies
several research directions for social media analytics in hospitality and
tourism.},
  author = {Zheng Xiang and Qianzhou Du and Yufeng Ma and Weiguo Fan},
  date-added = \{2023-04-01\ 19:31:22\ +0200\},
  date-modified = \{2023-04-01\ 19:31:22\ +0200\},
  doi = {https://doi.org/10.1016/j.tourman.2016.10.001},
  issn = \{0261-5177\},
  journal = {Tourism Management},
  keywords = {Online reviews, Hotel industry, Information quality, Social media
analytics, Text analytics, Machine learning},
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  title = {A comparative analysis of major online review platforms:
Implications for social media analytics in hospitality and tourism},
  url = {https://www.sciencedirect.com/science/article/pii/S0261517716301807},
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volume = {58},
year = {2017}}
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#Thesis/Papers/BS