"Sentiment Analysis based on Glamping Reviews from TripAdvisors: Developing a Decision-Making Assistant"

Anastasiia Prokhorova

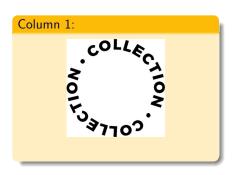NATIONAL RESEARCH UNIVERSITY HIGHER SCHOOL OF ECONOMICS

28.05.2022

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Recap on Blocks

1. Here are two blocks in separate columns.

Column 1:

Column 2:

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

② Here is an example of a lemma with its title highlighted. Additionally, you can move the highlighted title to the header of the block.

Lemma 1

Lemma Name: Body of Lemma.

Random equation:

$$f = -X_1^2 - X_2^2 - \cdots - X_\lambda^2 + X_{\lambda+1}^2 + \cdots + X_m^2 + c$$

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- ParseHub
- JupyterNotebook
- PyCharm
- Python libraries:
    - numpy
    - pandas
    - matplotlib
    - sklearn WordCloud
    - chardet
    - regex
    - NLTK
    - Pymorpy2
    - strings
    - etc.
- Dostoevsky
- Microsoft Excel
- PyQt, Qt Designer,

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Important intermediate results

1. Collected data from the website
2. Cleaned the data
3. Realised the sentiment analysis of glamping reviews
4. Plotted review-based wordclouds
5. Studied two methods of vectorization
6. Compared two basic machine learning models

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Final result

Terminal application

- shows the resulting table with numbers of pos and neg reviews and corresponding raitings
- plots wordclouds from positive and negative reviews for an asked place

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Further development

- collect all reviews from the website
- update data as soon as the website does
- develop a cross-platform application
- visualize the obtained results on a website

Appendix I

Example of Appendix

Hello world! Here is an example of formating appendix

References I

[CCN97]   Alfonso Castro, Jorge Cossio, and John M Neuberger. "A
           Sign-Changing Solution for a Superlinear Dirichlet Problem".
           In: *Rocky Mountain Journal of Mathematics* 27 (4 1997).