

Groups Feedback

Ace (Movie)

- *What did the group do well?*

Integral analytical structure and clear goal.

- *What could they have done better?*

Maybe can highlight the key point more and pay some attention to timing next time.

- *Suggestions for improving the analysis*

Maybe can enlarge the dataset in the future.

Advertisement-Wanted (YouTube-Tag)

- *What did the group do well?*

Choose the life-related topic to improve the performance by using RNN models, text mining (tag recommendations by sentiment analysis using scores) and like & dislike analysis

- *What could they have done better?*

Could make the final result and summary more clear

- *Suggestions for improving the analysis*

Can add more machine learning models to improve the performance.

Avergers (Amazon)

- *What did the group do well?*

Logic of the prestaton and explanation of models((introduction of ordinal regression and neural networks) are clear. Mention data imbalance and solve this using resampling Vader sentiment analysis. Compare results with MSE LSTM best results.

- *What could they have done better?*

Additionally, the prestaton put a lot in the skills and method, maybe next time can pay some attention to the topic itself.

- *Suggestions for improving the analysis*

The dataset can be larger and MSE can still be improved.

Beautifulsoup4 (Predict Airbnb)

- *What did the group do well?*

The visualization part is fancy. Conduct feature engineering by first look at potential factors, and have well-built random forest and clustering models.

- *What could they have done better?*

Can enlarge the dataset to give more solid conclusion and improve the accuracy.

- *Suggestions for improving the analysis*

The results highly vary between different cities, so may take consideration about more features in the future.

Damafia(Traffic)

- *What did the group do well?*

Use big dataset so have enough feature to fit the model. Add policy suggestions to put the result into the practical use.

- *What could they have done better?*

As the dataset is large, should do further cleaning to strengthen the results.

- *Suggestions for improving the analysis*

The training accuracies is low so the predict ability may not good enough. Can use more models to do the further comparison.

Data Messaging(Shooting Game)

- *What did the group do well?*

Divide goals into different layers to discuss. Choose a game topic to analyze, and select good features to conduct engineering and visualization.

- *What could they have done better?*

Can rise voice in the presentation next time.

- *Suggestions for improving the analysis*

May enlarge the dataset to ensure enough data and features. May trade off the visualization part and other parts, i.e. add more machine learning models. Text mining parts.

Data Samurai(President Election)

- *What did the group do well?*

Make a good introduction of the project. Combine various models, text mining and visualization well to reach good predictive support power and support their conclusion. Additionally, normalize the numerical variable and use latitude and longitude instead of states, which is relatively original.

- *What could they have done better?*

There are some errors in interpretation of visualization the results.

- *Suggestions for improving the analysis*

There could be more personal consideration in model building.

DDOG (impeachment hearing)

- *What did the group do well?*

Usage of geocoding to define the position of tweets. Combine the text data with heat map to achieve good visualization.

- *What could they have done better?*

Revise the evaluation of the results, and improve the robust of it.

- *Suggestions for improving the analysis*

Can add more learning models in the further. As for the text part, maybe can analyze text in a smaller defined districts like counties.

Fantastic_Three (Movie)

- *What did the group do well?*

Process data with features from different database. Conduct good feature engineering and make use of many plots on various features(create many features by analyzing). From the current result, the models reach relatively good predictive power.

- *What could they have done better?*

Need to enlarge the data size to improve the number of features and accuracy.

- *Suggestions for improving the analysis*

Can add more analytics models to compare the performance.

Helloworld (Airbnb Super House)

- *What did the group do well?*

Use various datasets and do the data merging, cleaning process well. Include text analysis with variable transit.

- *What could they have done better?*

Put more clear visualization part in the slide to show the results more directly.

- *Suggestions for improving the analysis*

Could add more machine learning or deep leaning model to compare the performance.

Pandas(Airbnb Price)

- *What did the group do well?*

Build Feature importance models using LDA, and make use of various machine learning and grid search models.

- *What could they have done better?*

Maybe do the presentation preparation and manage the time better next time.

- *Suggestions for improving the analysis*

The data size is relatively small, so can enlarge it in the future.

Suicide Squad (Why IBMers Quit)

- *What did the group do well?*

Show us a fresh content to discuss. Illustrate tp, tn etc. concept of their own models and analyze precision, recall and other rates to present results. The various models get relatively good scores.

- *What could they have done better?*

Maybe manage the time better next time.

- *Suggestions for improving the analysis*

The restriction of selecting variables is too loose.

Uncle Luoyang Everyday (Movie Box)

- *What did the group do well?*

Build various models and compare the performance using criteria of MSE2. Make use of Word Cloud analysis.

- *What could they have done better?*

Maybe make the slide more clear to show the results.

- *Suggestions for improving the analysis*

May increase the number of reviews and quantify features like actors. Also can add more feature engineering to make the models better.

Untitled (Online Shopping)

- *What did the group do well?*

The visualization part is brilliant. Filtering of results use different kinds of MSE to evaluate results.

- *What could they have done better?*

The dataset is relatively limited, so may enlarge it in the future.

- *Suggestions for improving the analysis*

Can conduct further analysis on recommendation based on the result.

Untouchables(Yelp)

- *What did the group do well?*

Try to acquire data using web scrapping instead of getting well formulated data online. The visualization tools and maps are well-defined.

- *What could they have done better?*

Maybe put less words on the slide to make it more clear and pretty, and do the presentation preparation better next time.

- *Suggestions for improving the analysis*

May add more models to analysis in the future.