coursera Courses Michael Liquori☐

JOHNS HOPKINS BLOOMBERG SCHOOL of PUBLIC HEALTH

Data Science Capstone

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Signature Track

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CAPSTONE PROJECT

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ASSIGNMENTS

- Quizzes
- Report Submission
- Milestone Report Rubric
- Final Project Rubric

COMMUNITY

- Discussion Forums
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Peer Assessments / Final Project Submission Help

Submission Phase | Evaluation Phase | Results Phase

1. Do assignment ☐ 2. Evaluate peers ☐ 3. Self-evaluate ☐ 4. See results ☐

Your effective grade is **11**

Your unadjusted grade is 11, which was calculated based on a combination of the grade you received from your peers and the grade you gave yourself.

See below for details.

The goal of this exercise is to create a product to highlight the prediction algorithm that you have built and to provide an interface that can be accessed by others. For this project you must submit:

1. A Shiny app that takes as input a phrase (multiple words) in a text box input and outputs a prediction of the next word.
2. A slide deck consisting of no more than 5 slides created with R Studio Presenter (https://support.rstudio.com/hc/en-us/articles/200486468-Authoring-R-Presentations) pitching your algorithm and app as if you were presenting to your boss or an investor.

A key point here is that the predictive model must be small enough to load onto the Shiny server. So pay attention to model size when creating and uploading your model.

1. Please submit the URL for your text prediction Shiny app that takes as input a phrase (multiple words) in a text box input and outputs a prediction of the next word.

https://mliq.shinyapps.io/Predictor/

Evaluation/feedback on the above work

Note: this section can only be filled out during the evaluation phase.

Does the link lead to a Shiny app with a text input box?

Score from your peers: 1

Score from yourself: 1

Does the app load to the point where it can accept input?

Score from your peers: 1

Score from yourself: 1

When you type a phrase in the input box do you get a prediction of a single word after pressing

submit and/or a suitable delay for the model to compute the answer?

Score from your peers: 1

Score from yourself: 1

Put five phrases drawn from Twitter or news articles in English leaving out the last word. Did it give a prediction for every one?

Score from your peers: 3

Score from yourself: 3

Use this space to provide constructive feedback. This is actually the most important evaluation criteria, take this opportunity to help your fellow students improve their work. Point out the submission's strengths and explain how the submission could be improved in the future. You may also use this space to explain any of your grading decisions that require elaboration.

self Could have done a bit more work on layout, make the text bigger.

peer 1 *[This area was left blank by the evaluator.]*

peer 2 I think this app only considers the last 2 words of the input.

peer 3 I don't what's wrong with the app, but it seems not to be workable.

peer 4 It was a really good app. I just recommend to improve the prediction algorithm so the app is more accurate.

peer 5 ;), no words you nailed the app with minimal requirements. Good job. On a professional note, others have done outstanding job in presentation/ design of their product. Your model performs reasonably well, but is a little bit slow in responding. It would be nice to if you could better that.

2. Please submit a slide deck consisting of no more than 5 slides created with R Studio Presenter (https://support.rstudio.com/hc/en-us/articles/200486468-Authoring-R-Presentations) pitching your algorithm and app as if you were presenting to your boss or an investor. Remember to check to make sure your deck displays if you are not logged into R Pubs.

http://rpubs.com/mliq/49105

Evaluation/feedback on the above work

Note: this section can only be filled out during the evaluation phase.

Does the link lead to a 5 slide deck on R Pubs?

Score from your peers: 1

Score from yourself: 1

Does the slide deck contain a description of the algorithm used to make the prediction?

Score from your peers: 1

Score from yourself: 1

Does the slide deck describe the app, give instructions, and describe how it functions?

Score from your peers: 1

Score from yourself: 1

How would you describe the experience of using this app?

Score from your peers: 1

Score from yourself: 2

Use this space to provide constructive feedback. This is actually the most important evaluation criteria, take this opportunity to help your fellow students improve their work. Point out the submission's strengths and explain how the submission could be improved in the future. You may also use this space to explain any of your grading decisions that require elaboration.

self Very good. I like the specificity of metrics you provided, a clear understanding of the objective.

peer 1 the app worked exact as required, novel layout, exactly as required

peer 2 it was not really impressive. I hope you can live with the fact that it was not really a "joy to use".

peer 3 According the the slides, the app should function well, but I don't the reason why it could not just work on my computer, btw, I'm using an Opera web browser.

peer 4 It was a really good presentation, pretty clear and complete.

peer 5 I don't have much to add, you know what you did, why you did. As you stated algorithms can be improved to optimize speed and accuracy. Providing alternative's to users instead of just one word could be useful. Also, you model returns stemmed words, which is not very useful for the end user. Design of the product can be improved many fold by added plots and trend charts etc.

Overall evaluation/feedback

Note: this section can only be filled out during the evaluation phase.

Here is an opportunity to give this person an +1 for a particularly well-done app or a novel approach.

Score from your peers: 0

Score from yourself: 1

Would you hire this person for your own data science startup company?

0: No
1: Perhaps. They do good work, but I would need to see more.
2: Yes, they're hired.

Score from your peers: 1

Score from yourself: 2