IBM Training

Watson Studio AI Services Integration Hands-On Lab-8

Natural Language Classifier Service

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January 2017 edition

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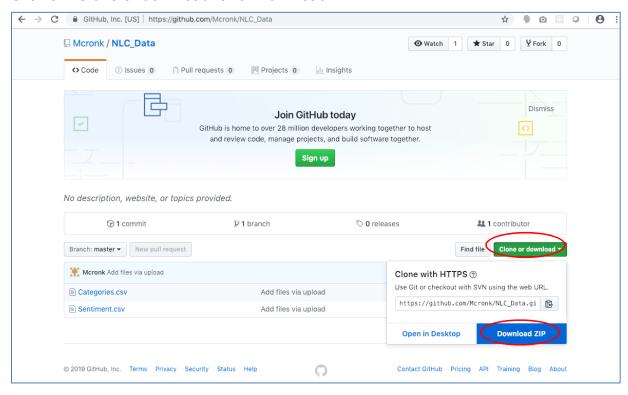
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Lab-8: Configure a Natural Language Classifier Service in Watson Studio

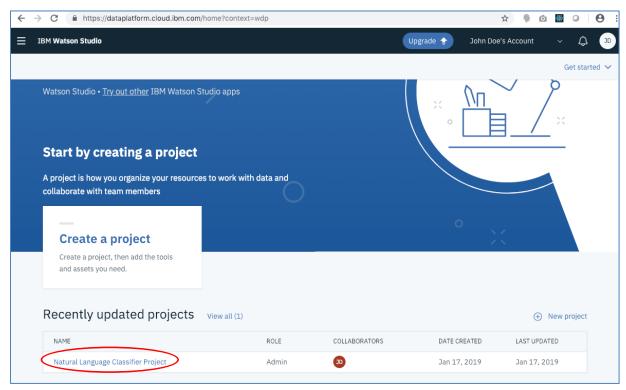
This lab guide is intended to provide you with hands-on experience in using the Watson Al Natural Language Classifier service in the Watson Studio data science platform.

- 1. Open Firefox or Chrome and navigate to https://github.com/Mcronk/NLC_Data
- 2. Click on "Clone or download" and "Download ZIP"

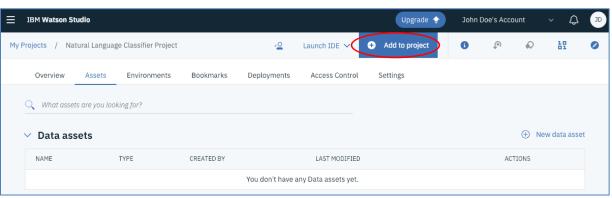


- 3. Unzip the zip file on your Desktop.
- Click on the Watson Studio browser tab.

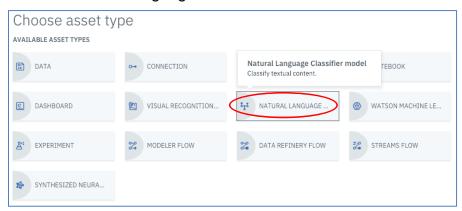
5. Click on your Watson Studio project. Note, the project name will be different than shown below.



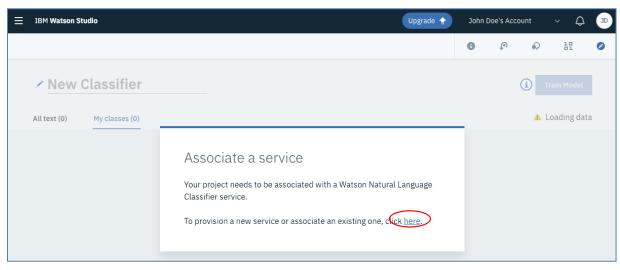
6. Click on "Add to project"



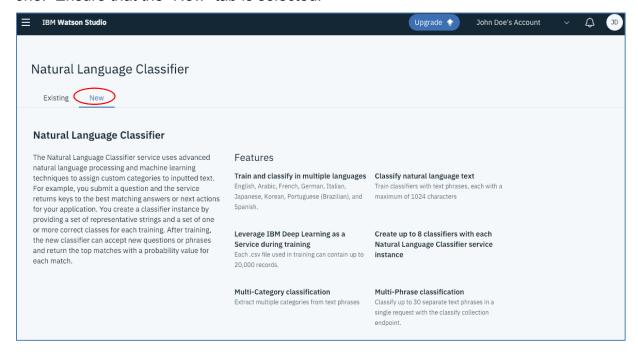
7. Click on Natural Language Classifier Model



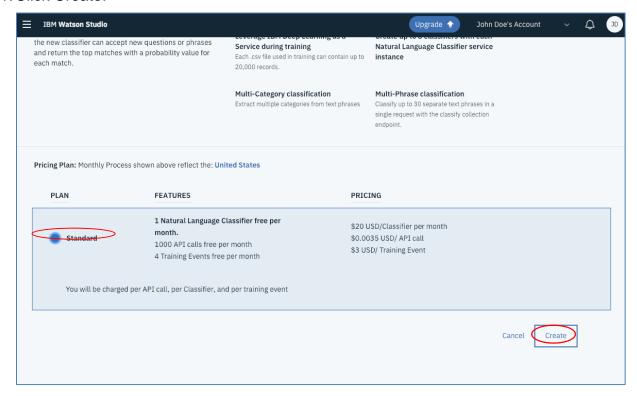
8. You will be prompted to create or associate a new Natural Language Classifier Service. Click on the blue link to provision a new service.



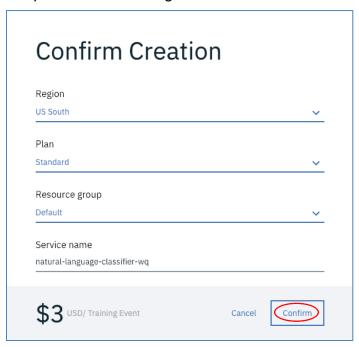
9. You will be brought to a page to either associate an existing service or provision a new one. Ensure that the "New" tab is selected.



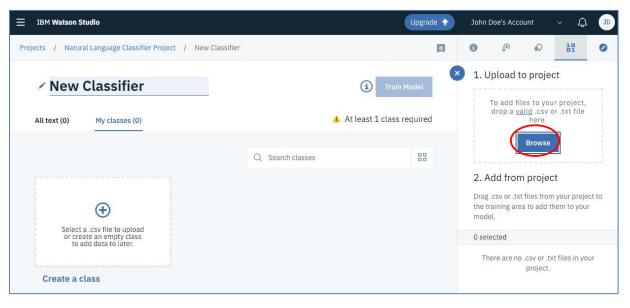
- 10. Scroll down, click on the Standard Plan. You will not be charged when running a free account.
- 11. Click Create.



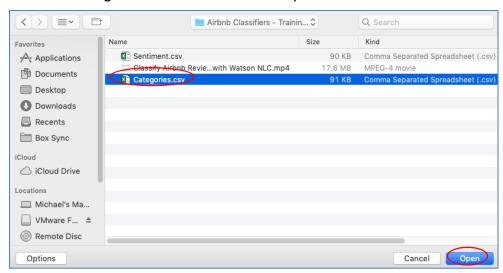
12. Keep the default settings and click Confirm.



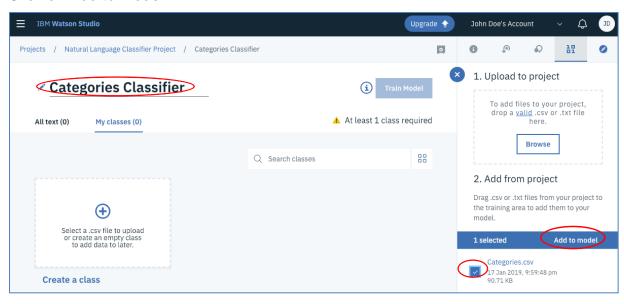
- 13. You will be brought to the page to configure your Natural Language Classifier service.
- 14. Click on Browse.



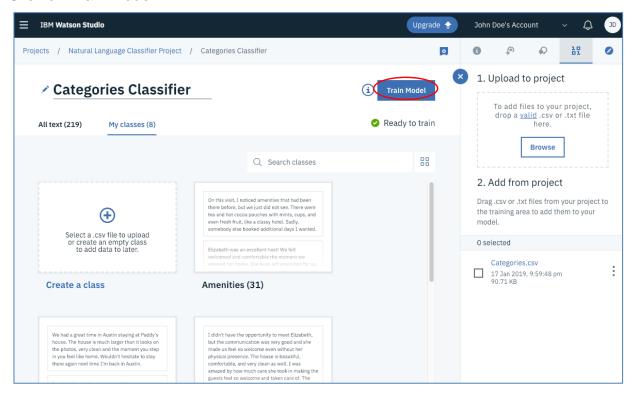
15. Click on Categories.csv and then click Upload.



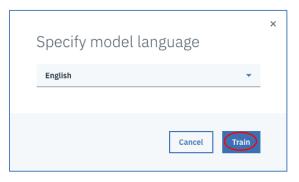
- 16. Click on "New Classifier" in the top left and rename to "Categories Classifier"
- 17. Click on the checkbox in the bottom right by Categories.csv
- 18. Click on Add to model.



- 19. Your classes should now be populated.
- 20. Click on Train Model.

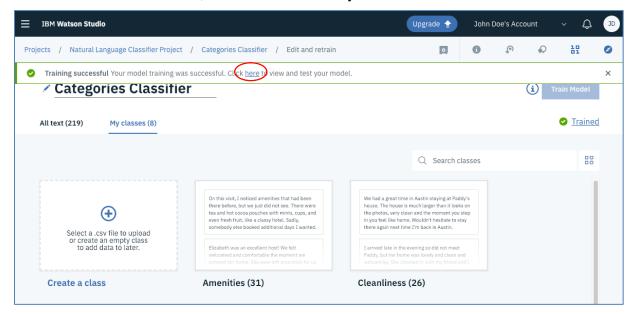


21. Click Train.

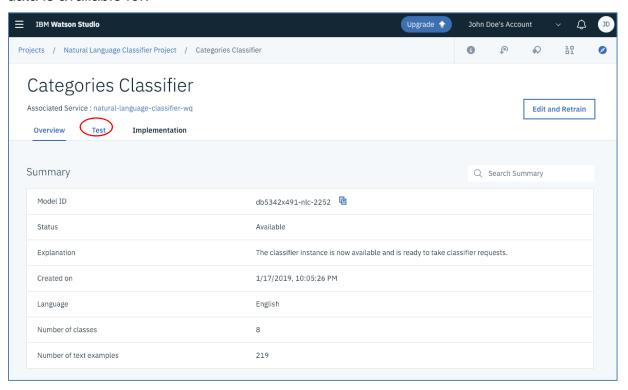


22. Model training will generally take 5-10 minutes. This is a create time to grab coffee.

23. Once the model is trained, click the link to test your model.



24. Click on the Test tab. Your classifier is now able to classify sets of text based on examples of Airbnb reviews that discussed amenities, cleanliness, etc. This is a broad capability that can be applied to automatically classify sets of text for any category that data is available for.



25. Enter text into the text box and click Classify.



Natural language classifier can be trained for additional models, deployed as an external service with exposed APIs, or used to process data in notebooks and flow models.

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