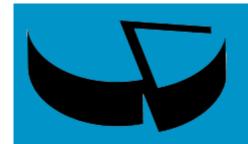
# Making a Chatbot with Rasa NLU



New York Big Data Workshop

### Prerequisites

- Install anaconda 3
- (optional) create a virtual environment
   conda create –n chatbot python=3
- Install the rest of the modules
   pip install rasa\_nlu
   pip install rasa\_core
   conda install -c conda-forge spacy
   python -m spacy download en

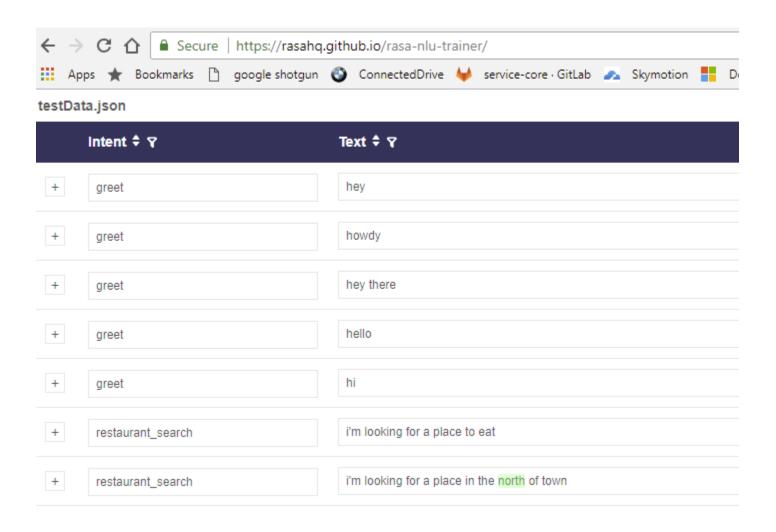
#### To Install the Trainer UI

- For the trainer UI you need node
- (Linux)
   curl -sL https://deb.nodesource.com/setup\_8.x | sudo -E bash sudo apt-get install -y nodejs build-essential
- (Mac)
   brew install node
- (Windows)
   Download installer from https://nodejs.org/en/#download
- To install the trainer
   npm i –g rasa-nlu-trainer

# Using the Trainer UI

- Go to the following url: https://rasahq.github.io/rasa-nlu-trainer/
- Here you can edit the training examples, then download the files when done

# The Training UI



# Training with Rasa NLU

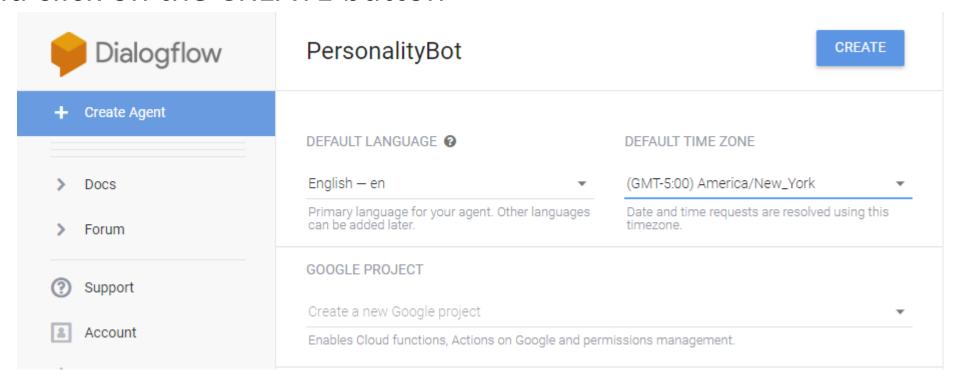
- Click on the Download link to download the testData.json file
- Move or copy the file to your work folder
- Now we can train the model python -m rasa\_nlu.train \
   --config config\_spacy.json \
   --data testData.json \
   --path projects

### Testing our Rasa NLU Model

- Run the Rasa NLU server
   python -m rasa\_nlu.server --path projects
- Then in another shell curl -X POST localhost:5000/parse -d '{"q":"I am looking for Mexican food"}' | python -m json.tool
- For statuscurl 'http://localhost:5000/status'

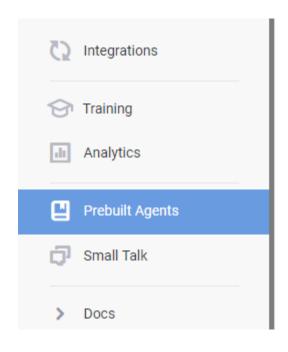
# To Give our Chatbot some Personality

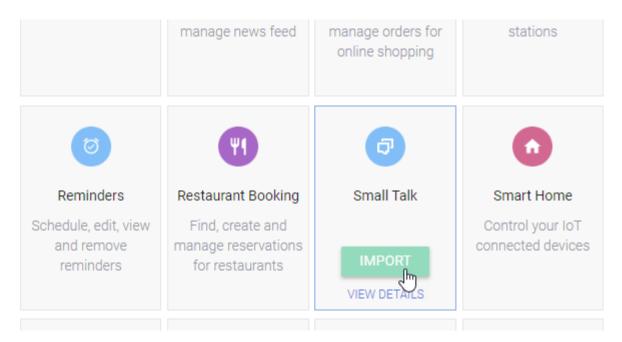
- Create a Dialogflow account and sign in with Google
- On the left side, click on Create Agent, enter a name for the agent and click on the CREATE button



#### To add Conversation

 Click on Prebuilt Agents, then select the Small Talk agent and click on the IMPORT button

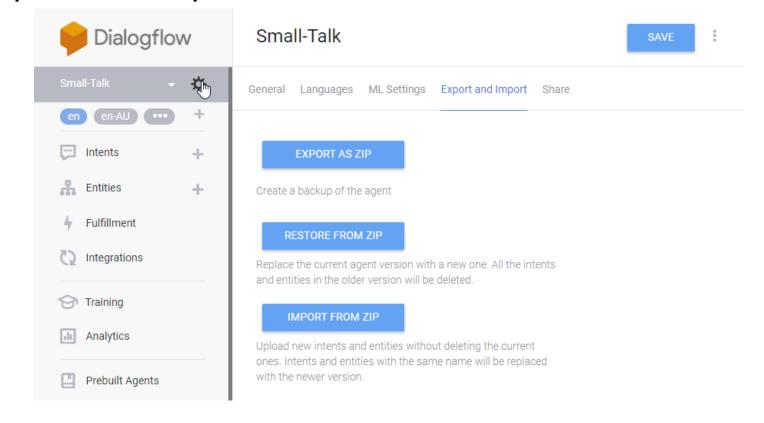




## Export the Intents and Entities

 Click on the Settings wheel button to the right of the Small-Talk agent then click on the Export and Import tab and click on EXPORT AS ZIP

button



# Using the Exported Intents and Entities

- Copy the Small-Talk.zip file to your work folder and unzip it to the Small-Talk folder
- Train it
   python -m rasa\_nlu.train --config config\_spacy.json --data Small-Talk --path projects
- Test it curl -X POST localhost:5000/parse -d '{"q":"how are you buddy?"}' | python m json.tool