Tasks

Week		Julius	Morgan
0	17.08	Collect Romance cognates from the web & align the data	Set up the neural net
1	24.08	ALigned IPA dataset based on Romance data	Train the neural net with IPA embeddings
2	31.08	ASJP/ASCII dataset from IPA	Train the neural net with ASJP/ASCII embeddings
3	07.09	Experiment with Ciobanu's data (IPA,ASJP & ASCII)	Train the neural net with ASJP/ASCII data (baseline)
4	14.09	Start writing the paper	Evaluate model performance on Ciobanu's data
5	21.09	Write the paper	
6	28.09	Try another dataset, tune model parameters	

Morgan: Work from last week 17.8 to 24.8

- Setting up the neural network
    - Using the neural machine translation with attention network from TensorFlow.
    - First, got it working with the data provided by TensorFlow.
    - Then, worked to get it working with our data.
- Neural network with our data
    - Challenges:
        - Neural network provided by TensorFlow uses string data for the input and target languages.
        - Our data has string data for the input but an array for the target language.
        - So, had to have input for both a string an an array.
- Status:
    - Can successfully pass one word (at character level) through the network.
    - Next will be getting an entire cognate set of data to work with the network.

Morgan: Work for this Week

- Train the Neural Net with IPA embeddings
    - Get a full cognate set to pass through the network.
    - Create a pipeline that can extract the cognate sets from a csv file containing the IPA embeddings and pass them through the neural network.