Capstone Checkin 1

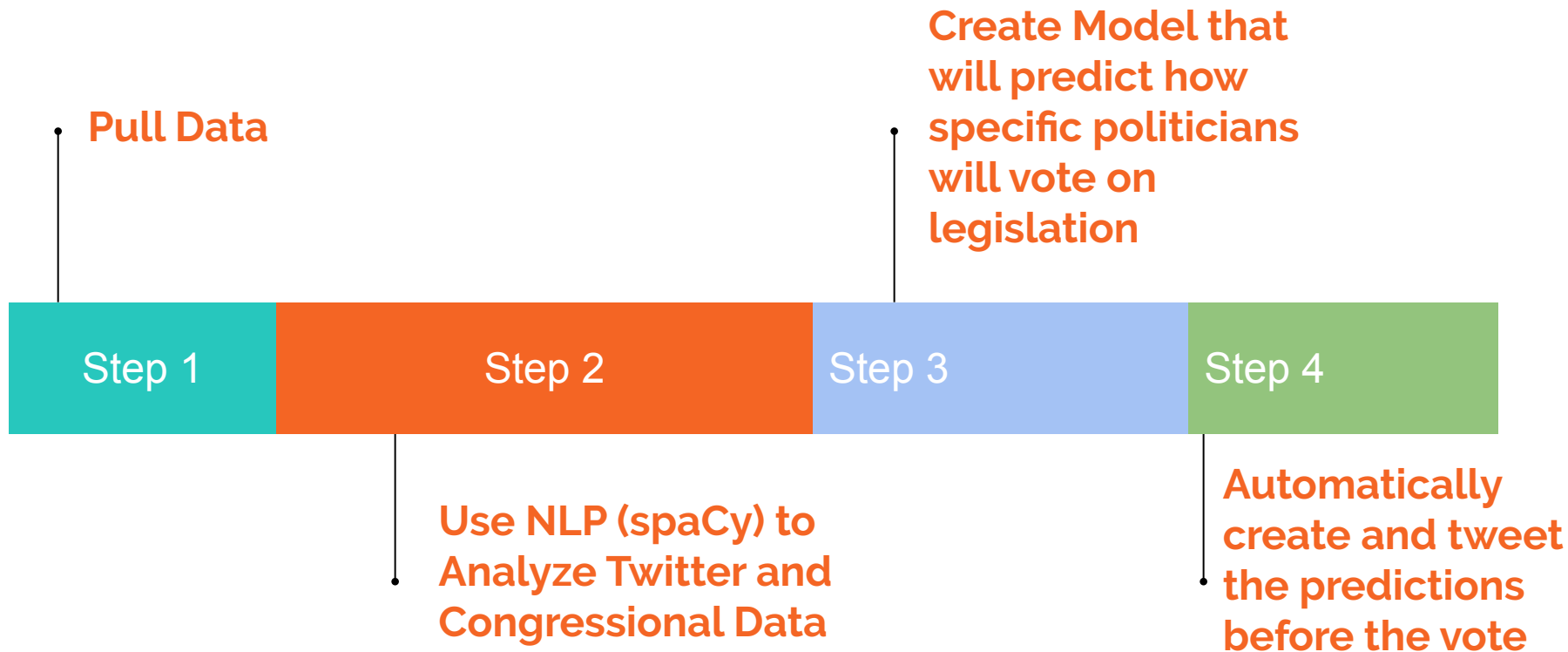**Build a model that predicts how specific politicians will vote on legislation**

Where's the Data Coming From

Pull Data from Twitter for specific politicians
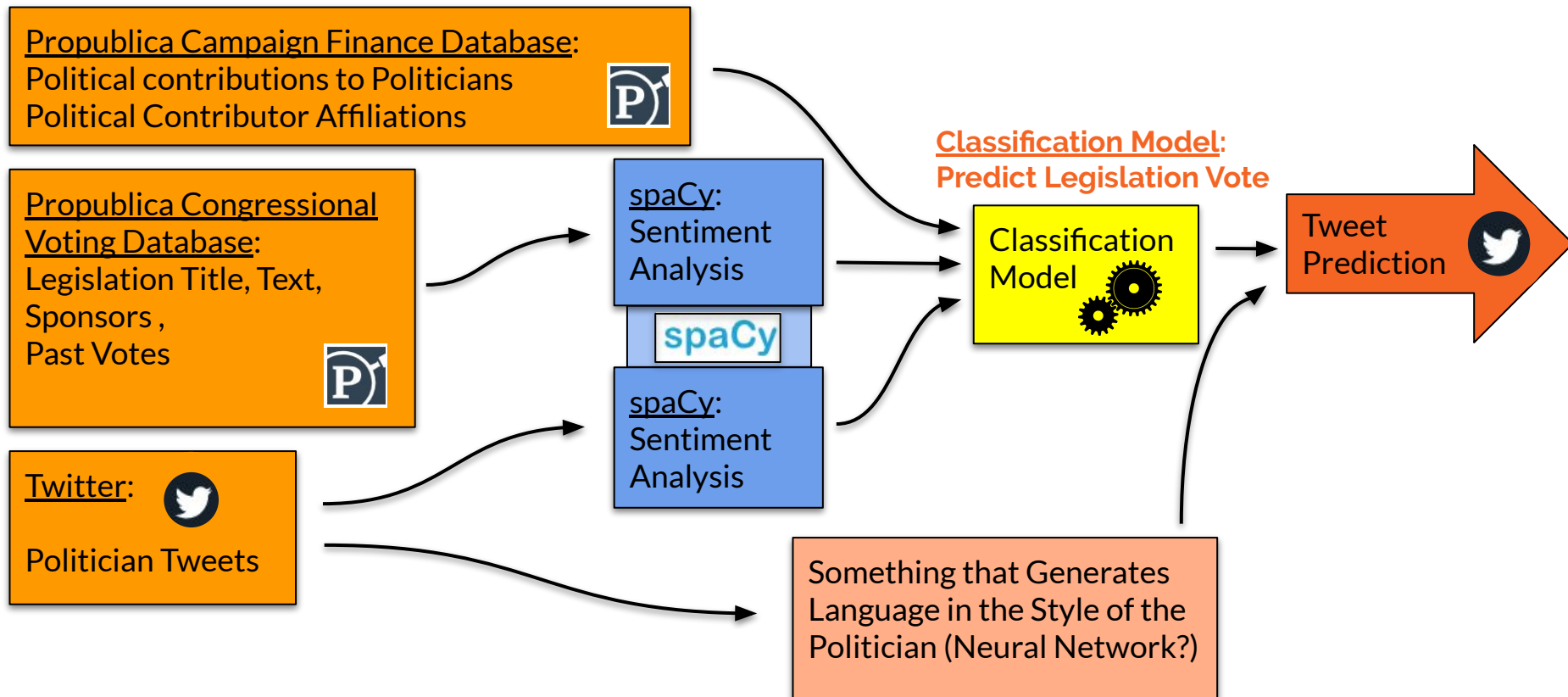
Pull Data from Propublica Congressional Database

Pull Data from Propublica Campaign Finance Database

Milestones

Pull Data

Create Model that will predict how specific politicians will vote on legislation

| Step 1 | Step 2 | Step 3 | Step 4 |

Use NLP (spaCy) to Analyze Twitter and Congressional Data

Automatically create and tweet the predictions before the vote

Project Flow

Data Sources

Propublica Campaign Finance Database:
Political contributions to Politicians
Political Contributor Affiliations

Propublica Congressional Voting Database:
Legislation Title, Text, Sponsors ,
Past Votes

Twitter:
Politician Tweets

spaCy:
Sentiment Analysis

spaCy

spaCy:
Sentiment Analysis

Something that Generates Language in the Style of the Politician (Neural Network?)

Classification Model:
Predict Legislation Vote

Classification Model

Tweet Prediction

Problems I am anticipating:

- Twitter API is gonna be a pain
- Building a full spaCy model is going to require some time to really learn

Good luck!

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