

Capstone Project 2

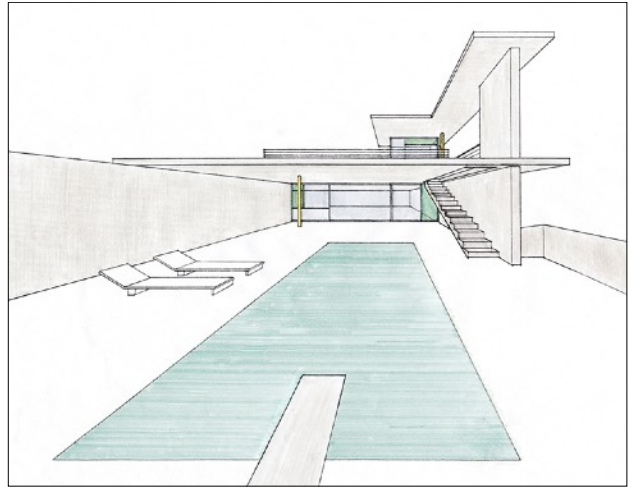
Proposal Brainstorm

May 8, 2018

Proposal number: 1

What grows a city?

Technique: Gather data from US Census on top 100 US cities, gather Twitter on city (city tags), gather economic data (businesses, trade, city records). Use Twitter feed to get sentiment on city. Use census data to see where people are moving too. Use economic data, demographic, tweet sentiment as features to prediction which city is growing or where to move.



Tweet Prediction (not necessarily Trump, chatbot, ...)

Idea what is Trump going to tweet about? What is his next sentiment going to be? Download trending headlines from major cable outlets, NLP to get each headline topic with sentiment. NLP previous Trump tweets with topic and sentiment. Predict next tweet sentiment, topic, and top 10 key words.

What is your online Presence? (Artist, Product, User, Company, etc)

Get tweets for a company, product, or tag. NLP sentiment and topic. Classify tweets both to explore where your market is, where you are loved or hated. Compare to company values.

Predict what company to work for?

Gather Data on companies, LinkedIn bio, use NLP to get topics, use interests and follows,

Predict company someone works for. Supervised learning. Label company name. Features topics from NLP, connections, interests, school,

EXECUTIVE SUMMARY

Objective

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Goals

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Solution

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Project Outline

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BUDGET

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Description	Quantity	Unit Price	Cost
Item 1	55	\$ 100	\$ 5,500
Item 2	13	\$ 90	\$ 1,170
Item 3	25	\$ 50	\$ 1,250
Total			\$ 7,920