# DVIA – 3 Proposals for Final Project

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## Concept 1a– Movie Plot Points

**_Idea**
Visualize the timing of movie plot points to illustrate the rigid structure and simplicity of classic Hollywood films. For example, in a 120-page script, where 1 page is equal to 1 minute of film, the inciting incident will be on page 12, the first plot point will be at page 30, the second plot point at page 90, etc.

Since finding a dataset in a tabular or JSON format will be difficult, it makes more sense to focus on a handful of movies and focus my visualization at a genre-specific level. For example, it will be most interesting to take movies that are wildly emotionally different and prove that the structure is identical.

**_Data Sources**
This will be a difficult project to find CSV or JSON files, but there are a few good resources out there:

1. https://thescriptlab.com/category/screenplay/five-plot-point-breakdowns/
    a. This site is in an article/blog format; however, it does a great job at listing the plot points (both the content of the plot point and the page/minute it occurs in the film) from hundreds of movies, so I could either scrape it or do some manual work and get a lot of samples
2. Syd Field, Screenplay (1990)
    a. This is considered the bible of screenwriting. I have a copy and there are many examples of films' "paradigm"…see the Shawshank breakdown here
3. Manual collection will be critical in addition to any existing resources I find
    a. Watching moves and noting plot points
    b. Finding analysis of individual films
    c. Reading screenplays (I have about 50 on my computer)

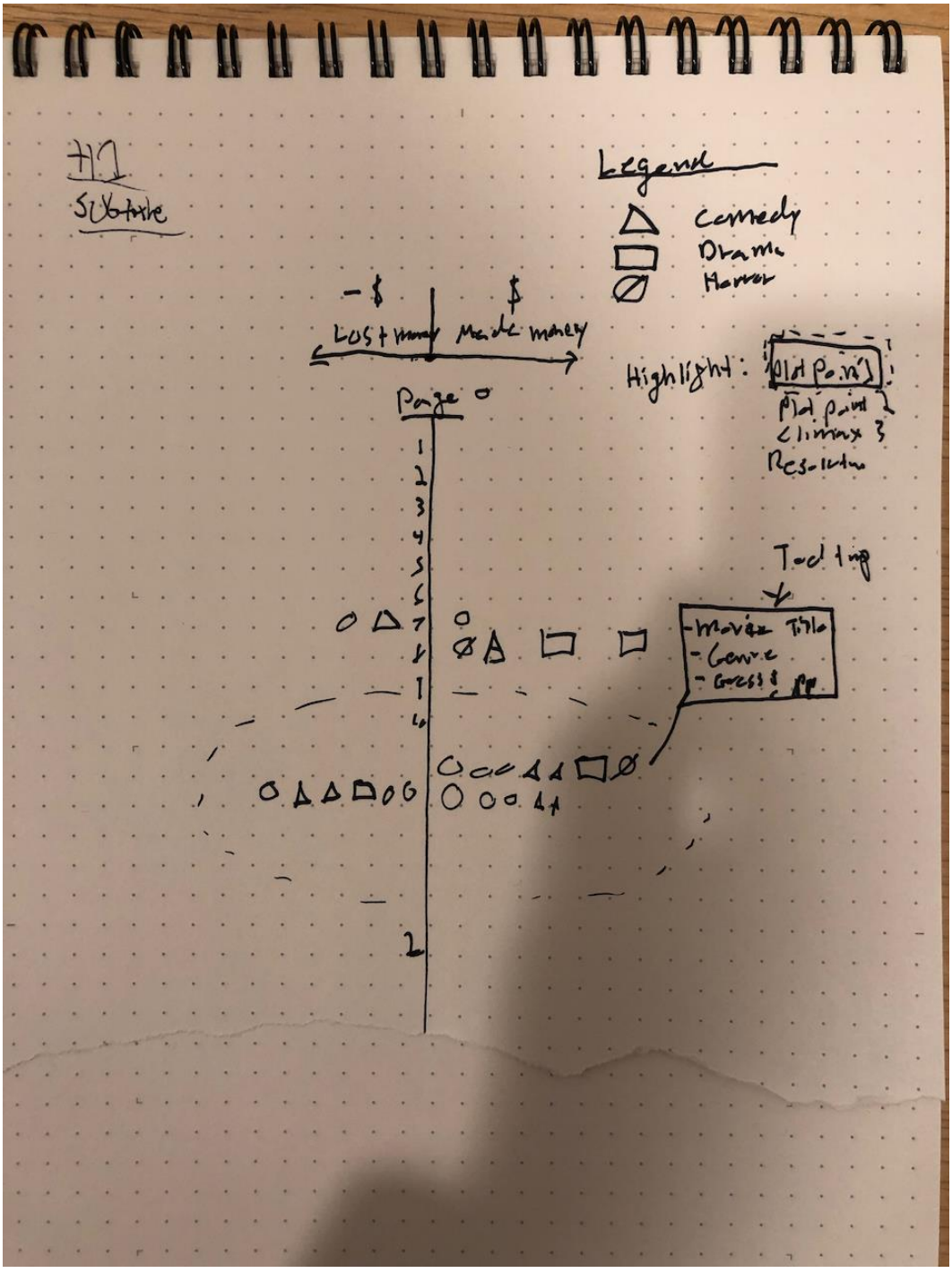
## Concept 1b – What do the most popular songs have in common?

**_Idea**
This idea was born out of finding an amazing dataset that analyzes thousands of songs from their "hotness" ranking, key, time signature, loudness, and other musical factors about them. I want to explore if there are any trends related to the hottest songs in the world. Is there a perfect formula? (this is similar to my 1st concept)

**_Data Sources**

1. https://think.cs.vt.edu/corgis/csv/music/music.html
    a. Over 10k songs with a ton of valuable data points, both qualitative and quantitative. A lot of cool stuff here.

**_Sketch (1a and 1b)**



# Concept 2 – The Commodification of Water

**_Idea**

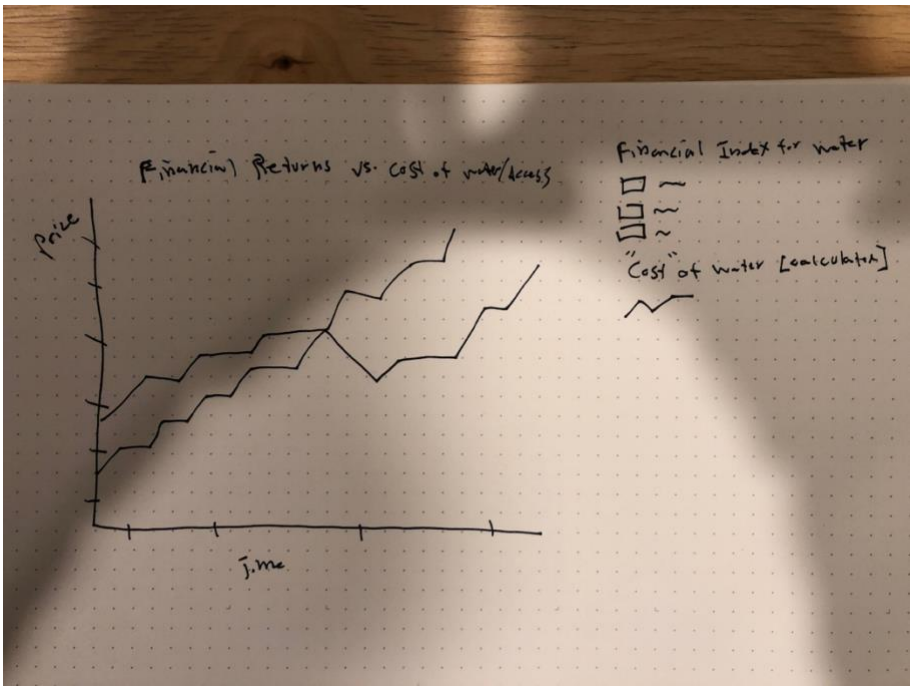
We are starting to see the commodification of water and investments in water by wealthy individuals and corporations as water scarcity concerns mount across the world. Those investing in it, argue it's a commodity that can and should be traded (i.e., corn, wheat, etc.) and that the world will benefit by promoting healthy conservation; however, since it's an essential part of life this is terrifying. Could corporations own all our water? What does it mean for those who currently have limited access? Is commodification going to promote healthy conservation or prevent human beings from their natural right to clean water?

I want to explore the dataset on water investment opportunities and financial instruments compared to the dataset on the cost of freshwater withdrawal per country per year and determine the relationship. Additionally, more quantitative and qualitative research should show which countries have water resource issues and how that's changed over time (Cape Town Day Zero, etc.)

**_Data Sources**

1. https://commodity.com/soft-agricultural/water/
    a. An article about how to invest in water and all the financial instruments available
2. https://data.worldbank.org/indicator/ER.GDP.FWTL.M3.KD
    a. Freshwater withdrawal cost per country

**_Sketch**



# Concept 3 – The Intersection of Price x Nutrition

**_Idea**

What's the healthiest but cheapest diet? It doesn't always have to be organic produce from Whole Foods to stay healthy.

**_Data Sources**

1. https://www.kaggle.com/jboysen/global-food-prices#wfp_market_food_prices.csv
    a. Price of food around the world
2. https://think.cs.vt.edu/corgis/csv/food/food.html
    a. Food nutritional content from the United States Department of Agriculture's Food Composition Database

**_Sketch**