**Tomahawks Presentation Framework**

**August 24, 2019 – Data to Present**

**Group:**

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**Due Days as Suggestion by Nelson:**

By Saturday\_8/24 – Solid dataset cleaned and ready for analysis

By Monday\_8/26 – Finishing analysis rendering

By Wednesday\_8/28 – Start working on presentation

By Wednesday\_9/4 – Ready to present

**Topic:**

The economic versus palatable preferences of wine produced in the United States

**\*\*Obstacles to gathering data\*\***

\*Exploration for data presented limited free-access to datasets for annual sales per Producer

\*Manual extraction of select data from pdf – Adobe PDF used for some conversions

**Questions:**

1. What wine type are most preferred? – dataset is based on taste scores – define taste ratings

<https://www.kaggle.com/lezhili/most-common-wine-scores>

cvs file:

\*\*\*Data set needed \*\*\*

1. What state produces the most preferred wine type – cross reference wine scores against production

<https://www.kaggle.com/zynicide/wine-reviews/downloads/wine-reviews.zip/4>

cvs file:

\*\*\*Data set needed \*\*\*

1. How many wine Producers are available in the US?

<https://catalog.data.gov/dataset/bonded-wine-producers-count-by-state-1999-june-30-2017>

(xls and json formats available)

cvs file:

#of Producers by State “q2-bonded-wine-producers-by-state-1999-june-2019.csv”

1. What is the top selling wine variety in the U.S?

<https://www.wineinstitute.org/resources/pressroom/06242019>

cvs file:

Top Wine Varieties by Sales Volume “top\_wine\_variety\_by\_sales\_volume.csv”

1. How much wine is sold in the U.S. annually?

<https://www.wineinstitute.org/resources/pressroom/06242019>

cvs file:

2018 Wine Sales\_U.S “wine\_sales\_2018.csv”

2018 Wine Sales\_California “wine\_sales\_2018\_cali\_only .csv”

1. State production by bulk and bottled wine?

<https://www.ttb.gov/statistics/2017/final17wine.pdf>

cvs file:

Wine Production By State 2017 “Wine\_Production\_By\_State\_2017.csv”

**Analysis Visuals:**

Graph –2018 # of Producers by State #3 - State – sum rows – sum row

Geographic Coverage – scatter plot across US map #3 - State – sum rows

Graph – Total # of Producers by year #3 - State – count column

Pie Chart – Top 2018 Wine Varieties by Sales Volume #4 – Insert list of values

**Story of Analysis:**

During 2018 there were \_\_\_\_\_ Wine Producers in the United States that produced \_\_\_\_\_\_ gallons of \_\_\_\_\_ wines, \_\_\_\_wines, and \_\_\_\_ wines. Collectively, wineries across the US sold \_\_\_\_\_\_ bottles of wine generating \_\_\_\_\_\_\_\_ billion in annual sales nationally. Of the available varieties \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_ economically demonstrate the highest demand based on their annual sales volumes.

For the palate to tell the tale of consumer preference, we now look at statistics from wine ratings based on variety, location, winery, price, and description.

**\*\*Note\*\***

\*All content is suggestive and should be considered for inclusion by group agreement

\*Optional Trend line – U.S. Wine Production 2008 – 2018 can be included or substituted also