

Anheuser-Busch

Exploratory Data Analysis

Agenda

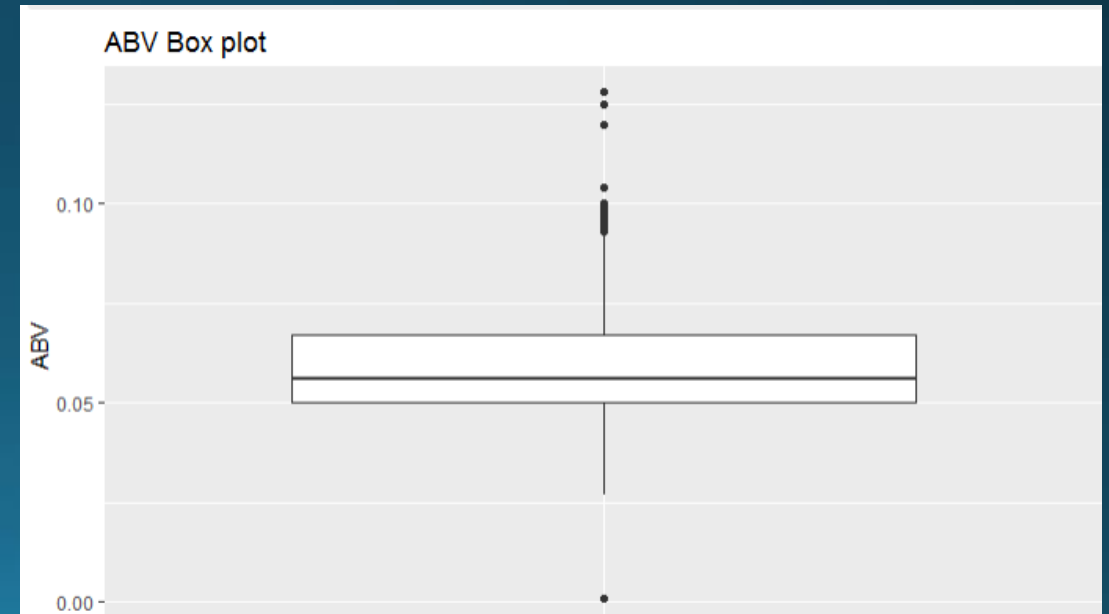
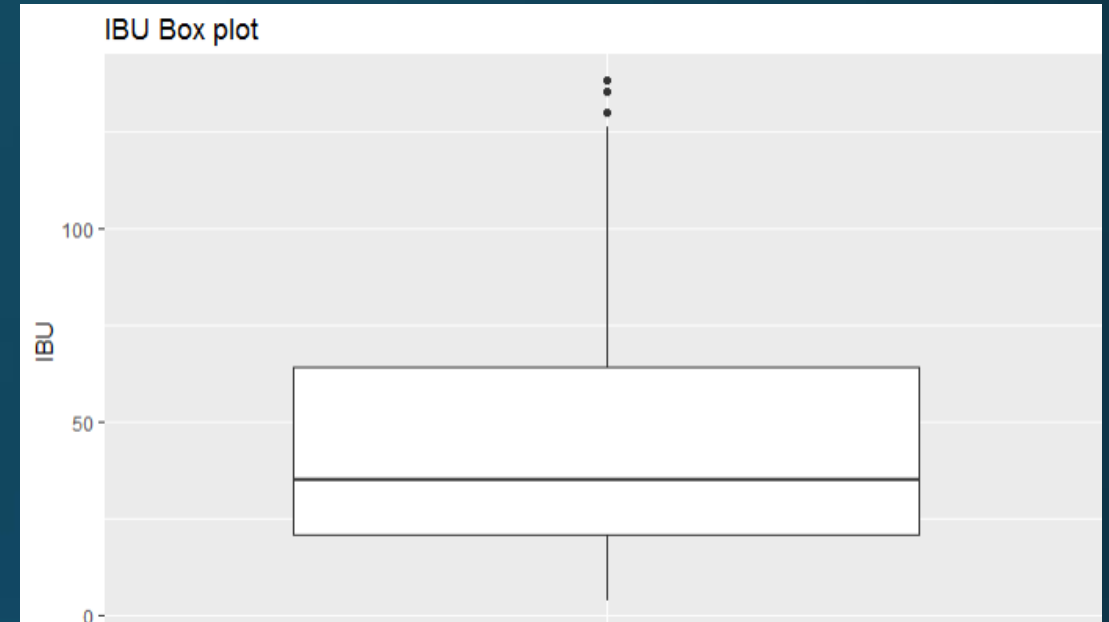
- Introduction
- Analysis
- Variable Summary Statistics
- Total breweries by State
- Top beers by State
- Additional data insights
- ABV /IBU relationship
- Summary

Introduction

- Anheuser-Busch holds 47.6% share of U.S. beer sales to retailers
- Brews the world's largest selling beers-Budweiser & Budlight

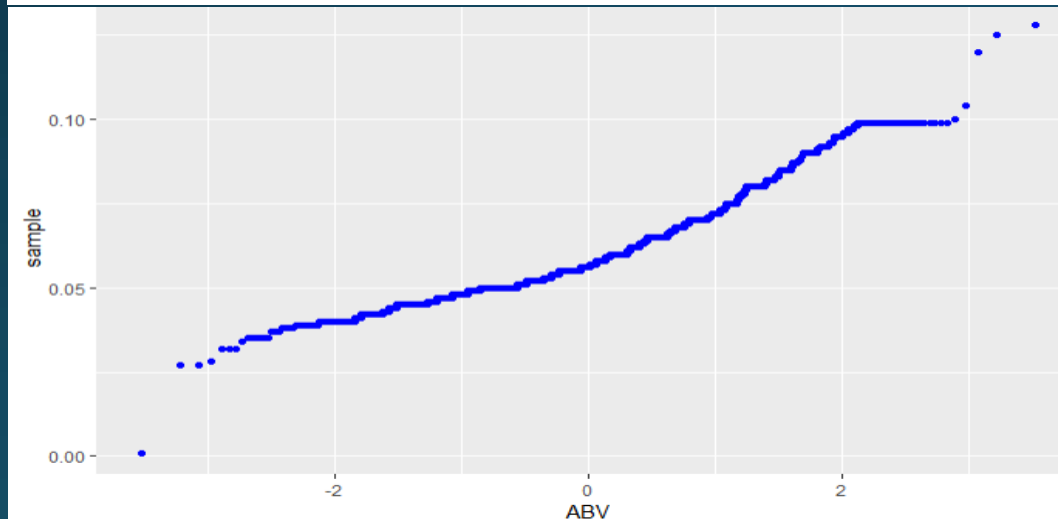
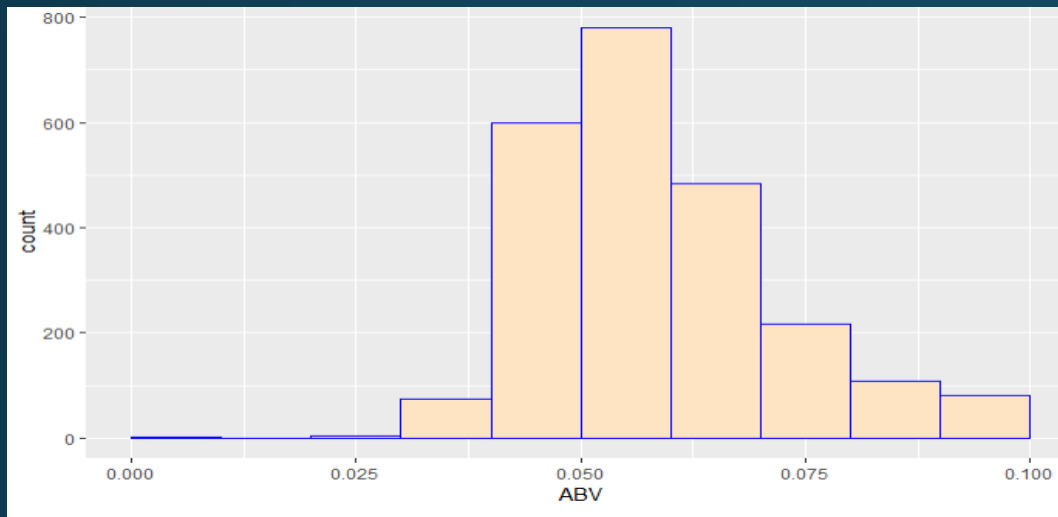
Analysis

- Dataset(Beer.csv and Breweries.csv)
- Breweries (558 rows, 4 characteristics)
- Beers (2410 rows, 7 characteristics)
- Outliers
- Slight right skewed distribution
- Less variability
- 1005 IBU(41%) & 62 ABV (2%) values missing

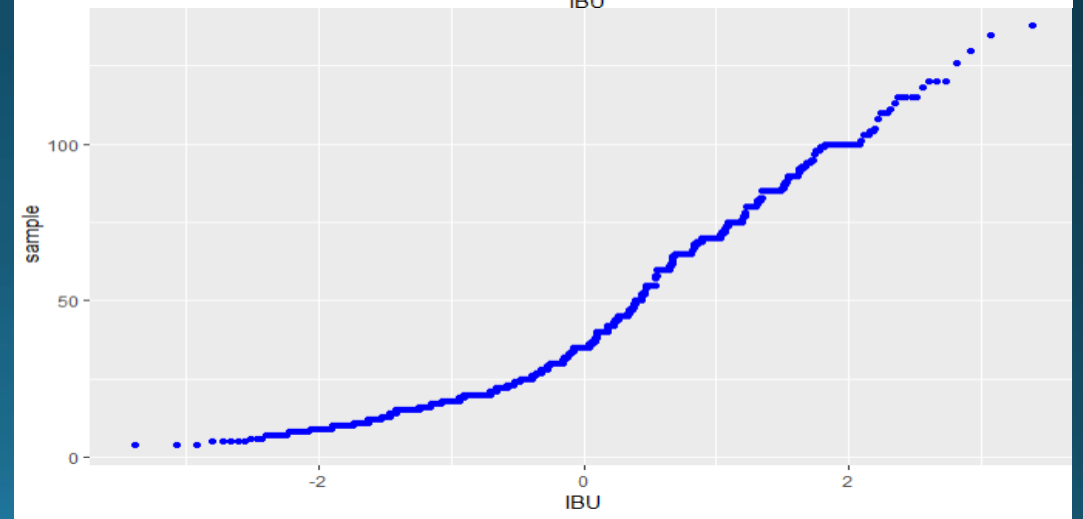
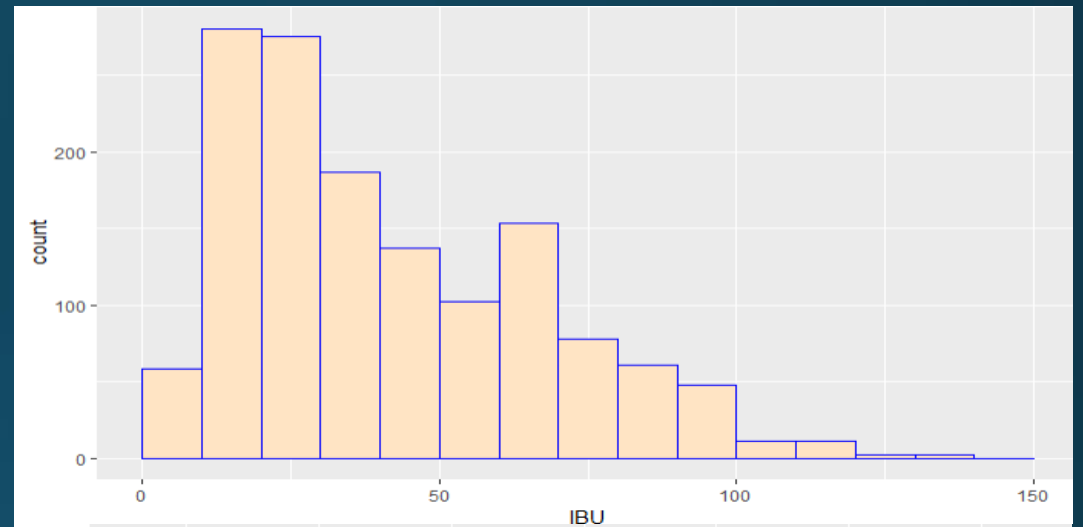


Variable Summary Statistics

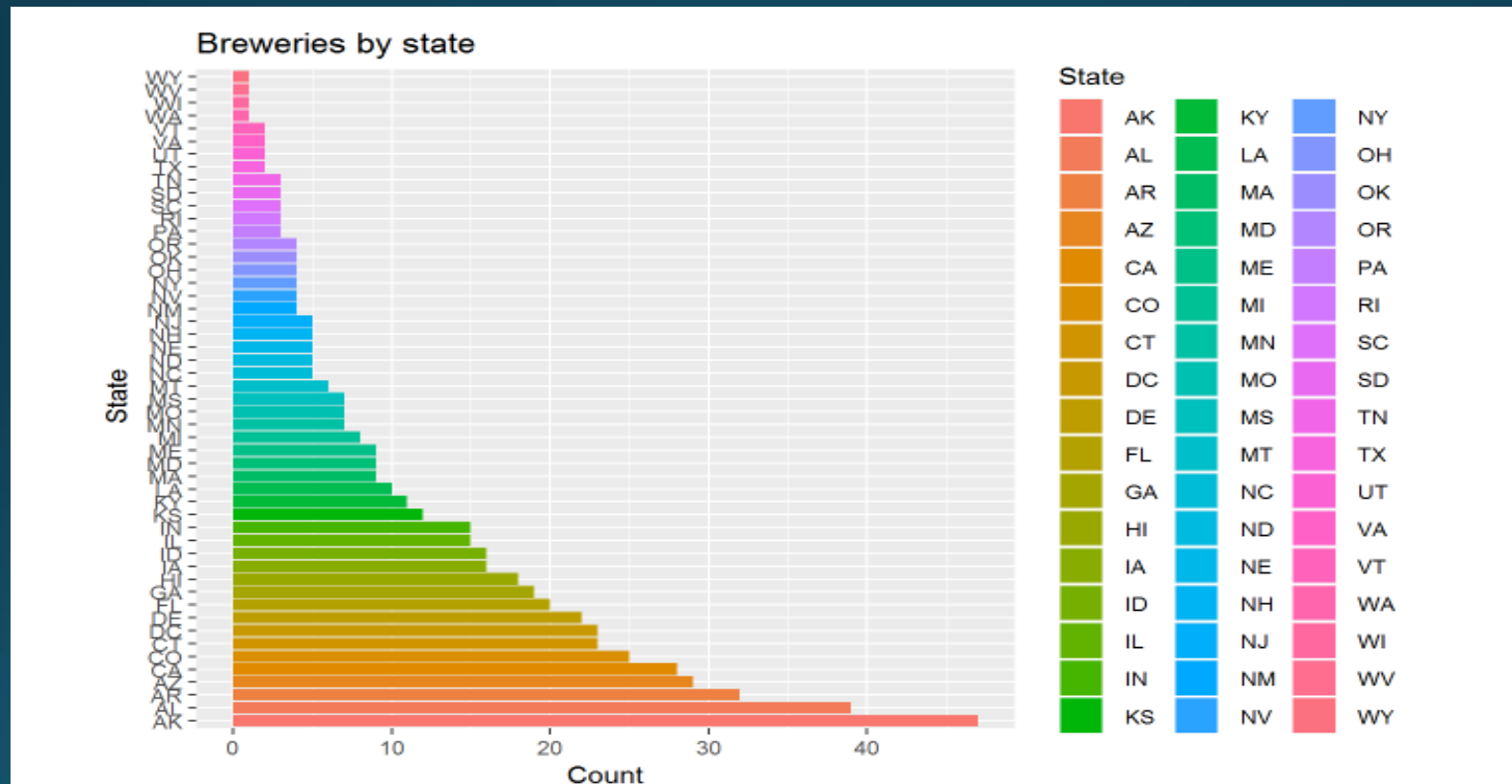
ABV



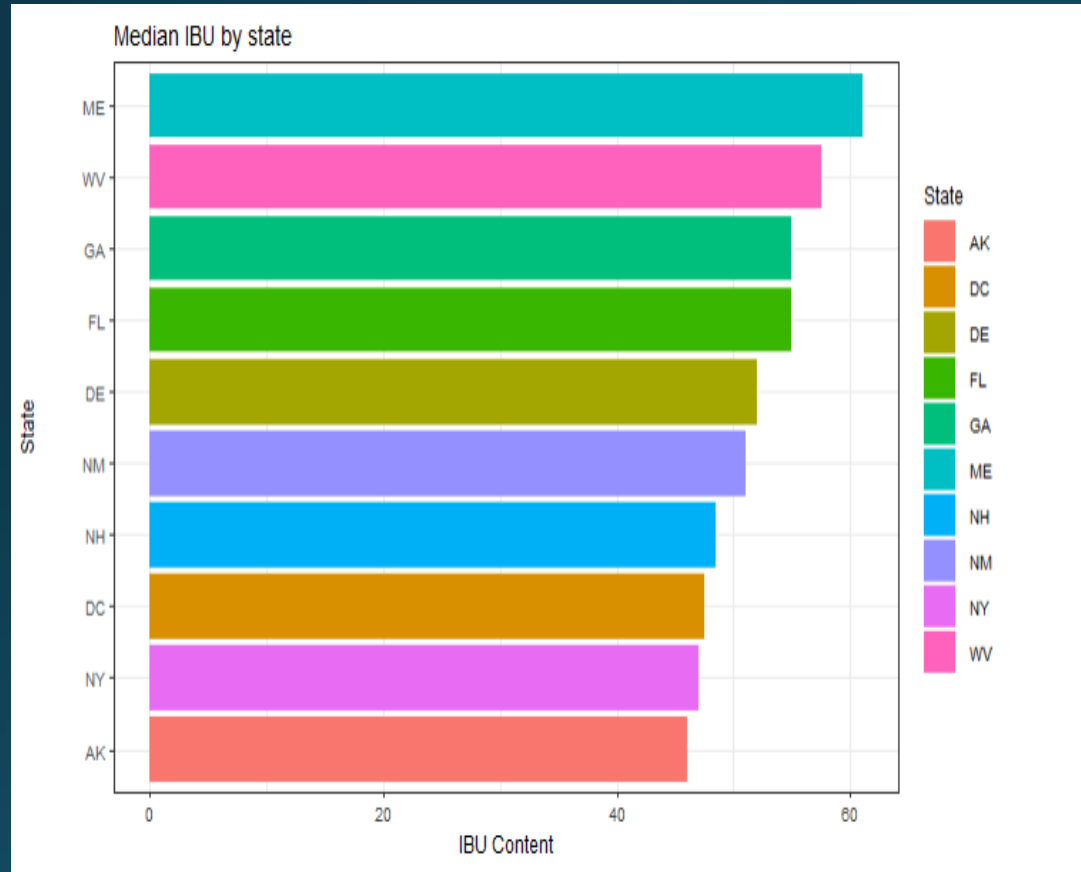
IBU



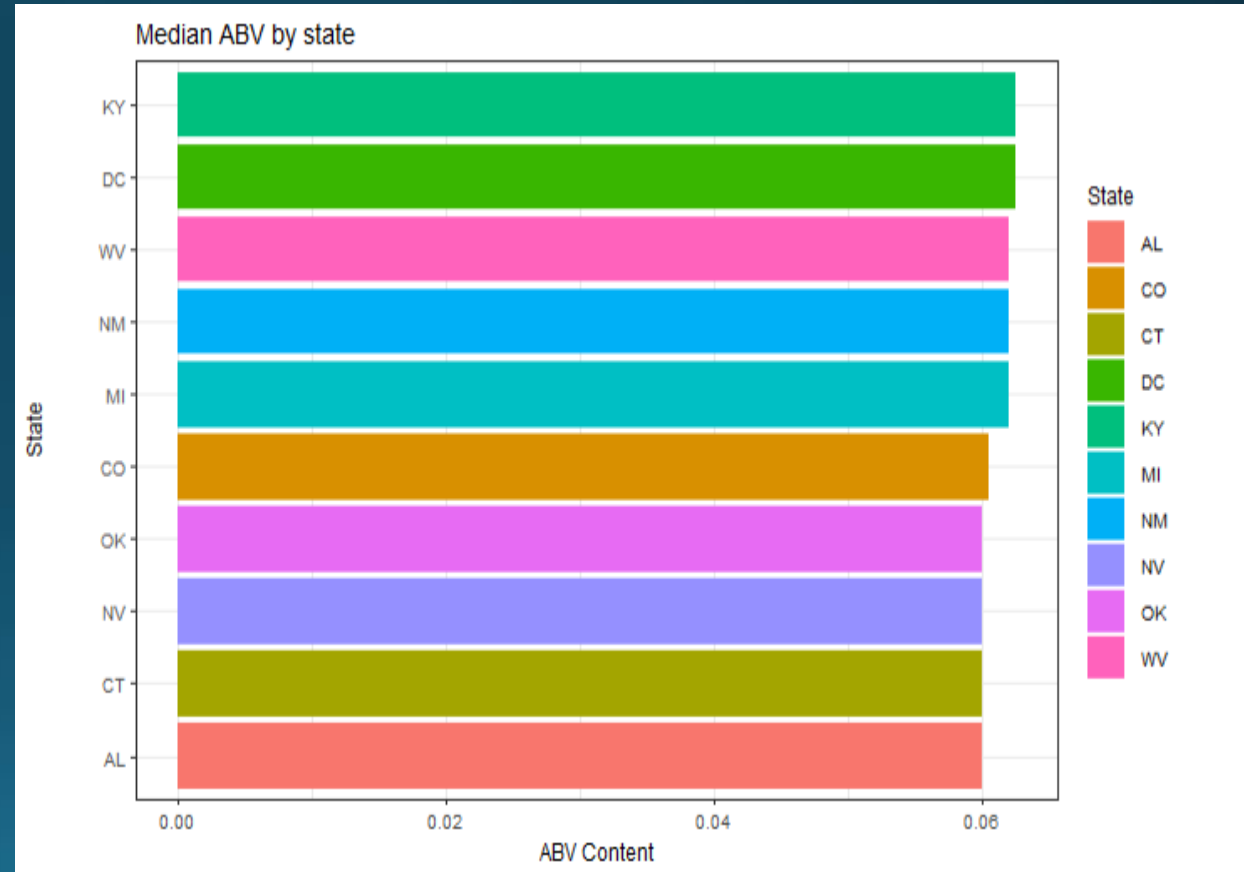
Breweries by State



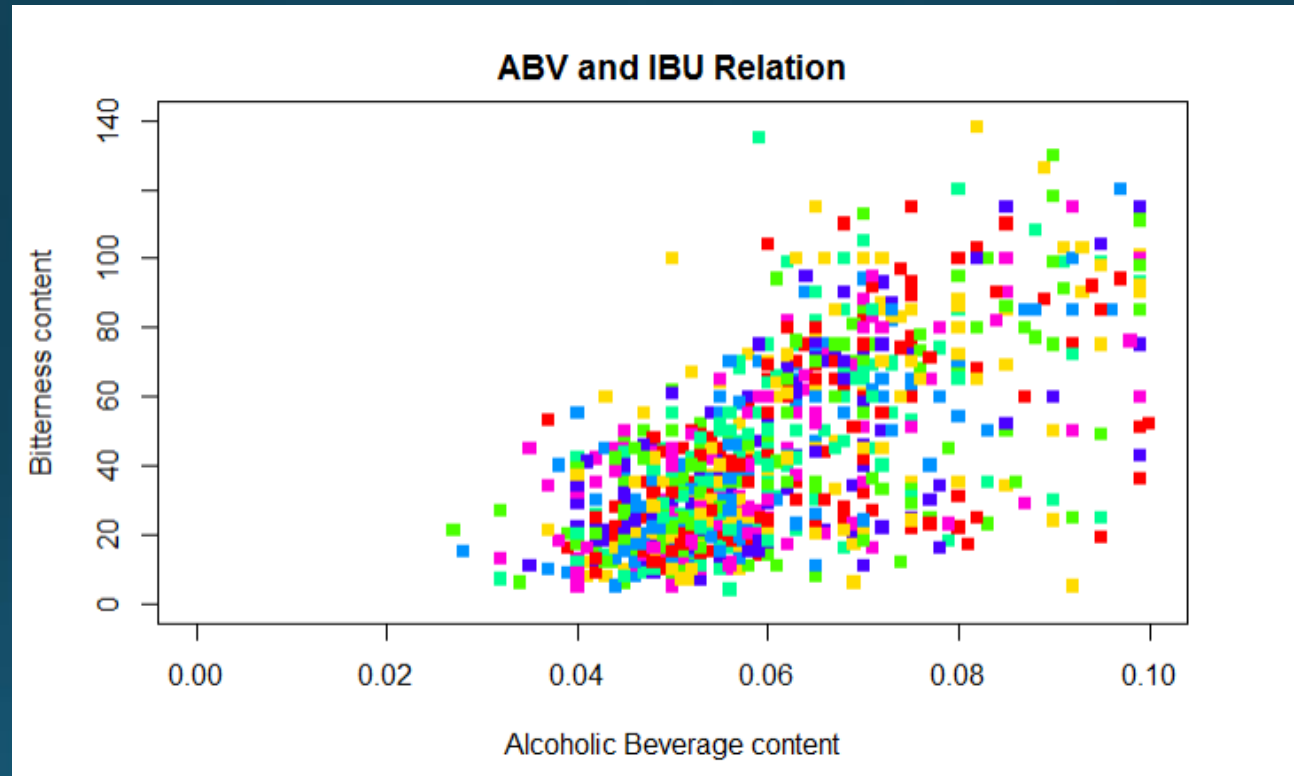
Top 10 Bitter beers by state



Top 10 alcoholic beer by State



ABV and IBU Relation



Summary

- Missing 41% IBU data points can impact any data analysis and conclusions made based on IBU
- Based on Insights from ABV and Brewery count visuals we can make recommendations on future product sales and distribution strategy

Resources

- <https://github.com/nehadixit25/casestudy1>

Thank You!