

# Final Project

**Proposal & Dataset**

# Proposal

## Problem Statement

Predict ABV given the beer name, style, and IBU.

## Null Hypothesis

There is no relationship between ABV and beer name, style and IBU.

## Alternative Hypothesis

There is a relationship between ABV and beer name, style and IBU.

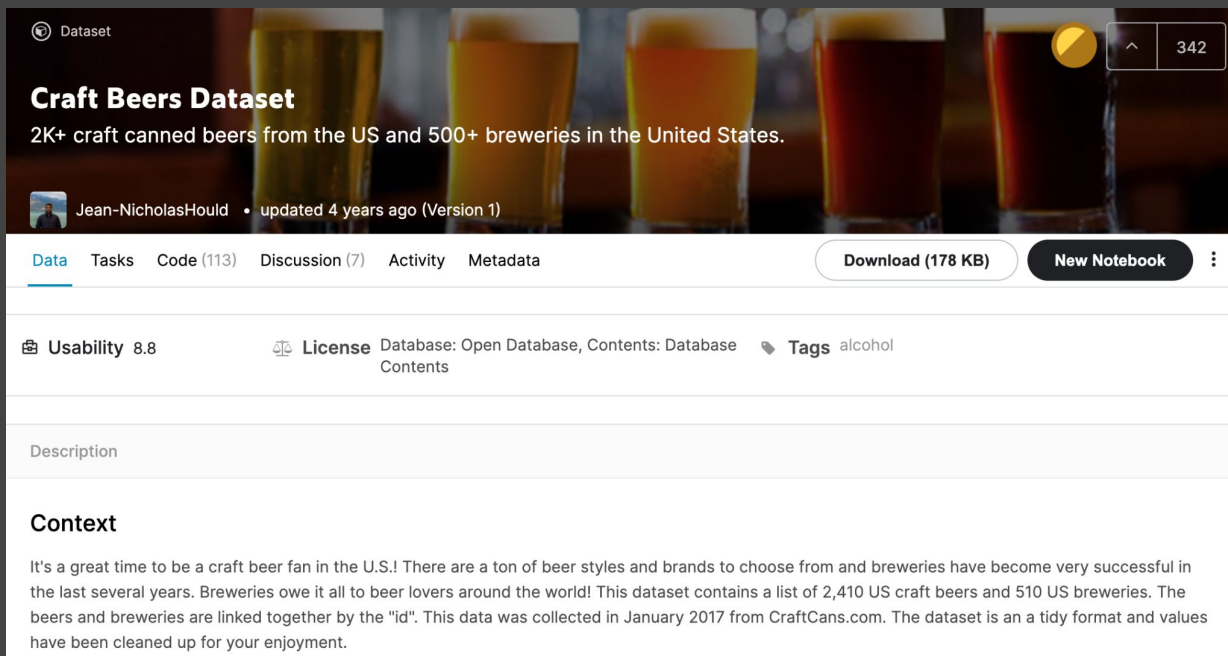
## Risks or Limitations

IBU is missing from several beers in the dataset. This database is canned beers only, bottle-only beers and breweries might show a different relationship.

# Dataset

## Kaggle Craft Beers Dataset

This dataset contains a list of 2,410 US craft beers and 510 US breweries.



The screenshot shows the Kaggle interface for the 'Craft Beers Dataset'. At the top, there's a header with the dataset name 'Craft Beers Dataset' and a description: '2K+ craft canned beers from the US and 500+ breweries in the United States.' Below this, the creator's name 'Jean-NicholasHould' and the update date 'updated 4 years ago (Version 1)' are visible. A navigation bar includes tabs for 'Data', 'Tasks', 'Code (113)', 'Discussion (7)', 'Activity', and 'Metadata'. On the right of the navigation bar are buttons for 'Download (178 KB)' and 'New Notebook'. Below the navigation bar, there's a section for 'Usability 8.8', 'License Database: Open Database, Contents: Database Contents', and 'Tags alcohol'. The main content area is titled 'Context' and contains a paragraph describing the dataset's origin and format.

**Craft Beers Dataset**  
2K+ craft canned beers from the US and 500+ breweries in the United States.

Jean-NicholasHould • updated 4 years ago (Version 1)

[Data](#) [Tasks](#) [Code \(113\)](#) [Discussion \(7\)](#) [Activity](#) [Metadata](#) [Download \(178 KB\)](#) [New Notebook](#)

**Usability** 8.8 **License** Database: Open Database, Contents: Database Contents **Tags** alcohol

**Description**

**Context**

It's a great time to be a craft beer fan in the U.S.! There are a ton of beer styles and brands to choose from and breweries have become very successful in the last several years. Breweries owe it all to beer lovers around the world! This dataset contains a list of 2,410 US craft beers and 510 US breweries. The beers and breweries are linked together by the "id". This data was collected in January 2017 from CraftCans.com. The dataset is in a tidy format and values have been cleaned up for your enjoyment.