

A close-up photograph of a glass filled with a reddish-orange liquid, likely whiskey. Two black straws are inserted into the glass. A slice of citrus fruit, possibly an orange or grapefruit, is perched on the rim of the glass. The background is blurred, showing warm, bokeh lights.

THE WHISKEY FLIGHT RECOMMENDER

DISCOVER YOUR NEW FAVORITE
WHISKEY

A high-quality photograph of a whiskey glass filled with amber liquid, sitting on a white reflective surface. The background is a warm, out-of-focus orange glow. The text 'TN' is overlaid on the left side of the image, with a horizontal line extending from the top of the 'N' across the frame.

TN

Tehera Nesfield

Data Scientist
Bachelors in Computer Engineering
Certified Personal Trainer
Whiskey Lover

The Drink

“Whisky” is a Gaelic word which means
“water of life.”

Scottish and Canadian whiskies are
spelled without the “e” and the others are
spelled with it -- *whiskey*.

The earliest known record of Whiskey
production dates back to 1494.

The Drinkers

Jack Daniel’s was the best selling
whiskey in the US in 2019.

37% of whiskey drinkers are women.

“True” whiskey drinkers don't add ice.



THE WHISKEY

*Whiskey flight - a curated
selection for each person's
preference*

THE DATA



79 Bottles

Data was gathered from Whiskeybase.com. The site has 157,057 bottles; 79 are included in the dataset.



Four Types

- Scotch
- Irish Whiskey
- Bourbon
- Japanese Whisky



Seven Categories

- Single Malt
- Blend
- Bourbon
- Single Pot Still
- Rye
- Blended Malt
- Blended Grain

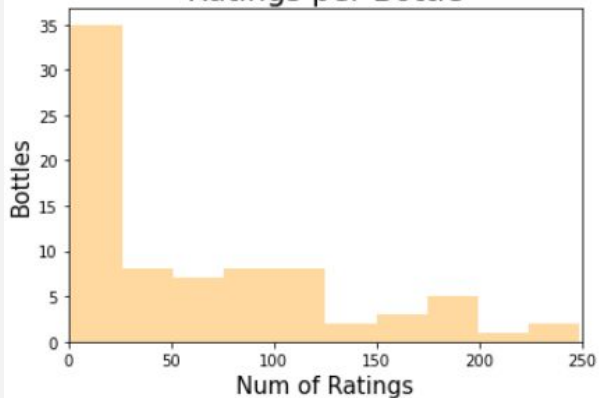


Twenty-Nine Distilleries

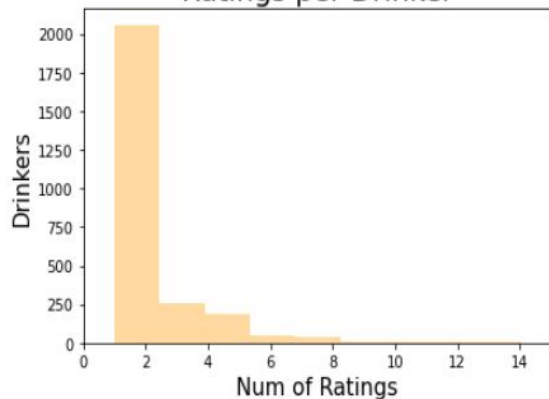
- Macallan
- Kilchoman
- Highland Park
- Bunnahabhain
- Midleton (1975-)
- Bowmore
- Glenfiddich
- Lagavulin
- Willett Distillery
- Balvenie
- Glenmorangie
- Bushmills
- Teeling Whiskey Distillery
- Distillery Bottling
- Tullamore Dew (2014 - present)
- Barton 1792 Distillery
- Brown-Forman Distillery
- Wild Turkey Distillery
- Maker's Mark Distillery, Inc.
- Hakushu
- Jim Beam
- John Walker & Sons (JW&S)
- Glenlivet
- Buffalo Trace Distillery
- Yoichi, Miyagikyo
- Miyagikyo
- Woodford Reserve
- Bruichladdich
- Louisville Distilling Co LLC

THE RATINGS

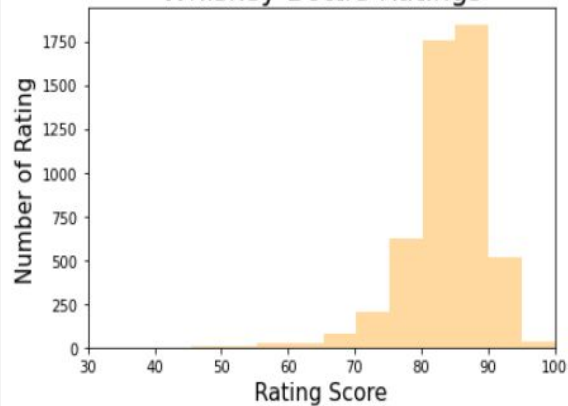
Ratings per Bottle



Ratings per Drinker



Whiskey Bottle Ratings












- 5125 Ratings
- Most Rated:
 - Kilchoman Sanaig - 249
 - Kilchoman Loch Gorm - 232
 - Glenfiddich 21 Year Old - 219

- Top raters:
 - Izzino 30
 - Ulcinj 21
 - malt65 21

- Average Rating: 85
- Standard Deviation: 6.24
- 93 Bottles were rated 100
- 1 Bottle was rated 20
 - Teeling Single Pot Still

THE ALGORITHM



				
	82			70
			85	85
	75	81		
	42			90
	74	78	89	83

- The Whiskey Recommender uses a matrix factorization algorithm
- Predicts based off other user's predictions
- Received a RMSE score of 4.3 during testing

THE RECOMMENDER



Whiskey Flight Recommender

Deployed using Flask.

“Too much of anything is bad, but
too much good whiskey is barely
enough.”

—Mark Twain



THANKS

A close-up photograph of a bartender's hand pouring a vibrant orange liquid from a silver shaker into a tall, slender glass. The glass is garnished with a slice of orange and a white straw with a blue palm tree design. The background is blurred, showing a person in a white shirt.

Questions or Comments??

tehera.nesfield@gmail.com
linkedin.com/in/tehera-nesfield/
<https://github.com/tnesfield>

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