

Welcome to the MLB Beer Drinking Guide

Let's get ready to stumble.... PLAY BALL!

Carmi Smith, Mandy Farrell, Brittany Schultz &
Caleb Sherry

Do you like baseball and beer? If so, have you ever wondered if you are overpaying for your beer while supporting your favorite team?

If you answered yes, you will enjoy our Website because it will help you out by showing you the following information:

- The Team/Stadium location
- The price of beer per ounce
- The number of wins your team has during a given year (because let's be honest, who wants to pay outrageous prices for a losing team)



So where do we begin..... Well with Data of course

We used two sources to gather the data from...

- Baseball reference
- DataWorld



MLB Beer Prices.xlsx							
	year	team	nickname	city	#	size	price_per_ounce
1	2013	Arizona Diamondbacks	Diamondbacks	Arizona	4	14	0.2857
2	2013	Atlanta Braves	Braves	Atlanta	7.25	16	0.4531
3	2013	Baltimore Orioles	Orioles	Baltimore	6.75	18	0.375
4	2013	Boston Red Sox	Red Sox	Boston	7.25	12	0.6042
5	2013	Chicago Cubs	Cubs	Chicago	7.25	16	0.4531
6	2013	Chicago White Sox	White Sox	Chicago	6.5	16	0.4063
7	2013	Cincinnati Reds	Reds	Cincinnati	5.5	12	0.4583
8	2013	Cleveland Indians	Indians	Cleveland	4	12	0.3333
9	2013	Colorado Rockies	Rockies	Colorado	6	16	0.375
10	2013	Detroit Tigers	Tigers	Detroit	5	12	0.4167
11	2013	Houston Astros	Astros	Houston	5	14	0.3571
12	2013	Kansas City Royals	Royals	Kansas City	6.5	16	0.4063
13	2013	Los Angeles Angels	Angels	Anaheim	4.5	16	0.2813
14	2013	Los Angeles Dodgers	Dodgers	Los Angeles	6.25	16	0.3906
15	2013	Miami Marlins	Marlins	Miami	8	20	0.4

Major League Baseball Team Win Totals

Team Wins click header to sort by winning percentage. Share & Export ▼ Glossary

Year	G	ARI	ATL	BAL	BLA	BOS	CHC	CHW	CIN	CLE	COL	DET	HOU	KCR	LAA	LAD	MIA	MIL	MIN	NYM	NYG	OAK	PHI	PIT
2021	19	6	7	8		12	7	9	9	8	5	6	7	9	9	14	7	10	6	7	6	11	8	7
2020	60	25	35	25		24	34	35	31	35	26	23	29	26	26	43	31	29	36	26	33	36	28	19
2019	162	85	97	54		84	84	72	75	93	71	47	107	59	72	106	57	89	101	86	103	97	81	69
2018	163	82	90	47		108	95	62	67	91	91	64	103	58	80	92	63	96	78	77	100	97	80	82
2017	162	93	72	75		93	92	67	68	102	87	64	101	80	80	104	77	86	85	70	91	75	66	75
2016	162	69	68	89		93	103	78	68	94	75	86	84	81	74	91	79	73	59	87	84	69	71	78
2015	162	79	67	81		78	97	76	64	81	68	74	86	95	85	92	71	68	83	90	87	68	63	98
2014	162	64	79	96		71	73	73	76	85	66	90	70	89	98	94	77	82	70	79	84	88	73	88
2013	163	81	96	85		97	66	63	90	92	74	93	51	86	78	92	62	74	66	74	85	96	73	94

Before we get started let me show you some of the technologies we used to create this website:

- **Processed and Cleaned Data:**

Pandas, Jupyter and Numpy

- We powered the website using Flask



- **Created tables and Databases:**

SQLAlchemy and PostgreSQL

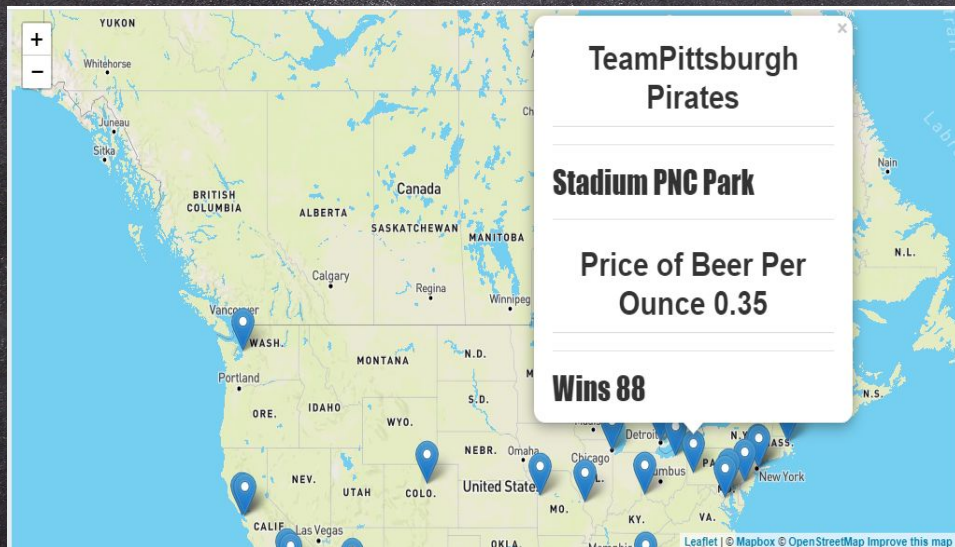
- **Designed the site using:**

JavaScript, Bootstrap, Leaflet, D3, Anime, HTML and CSS

- **Creating charts and graphs using:**

Matplotlib and Plotly

Explore our Interactive Map



Select a
Marker to
display:



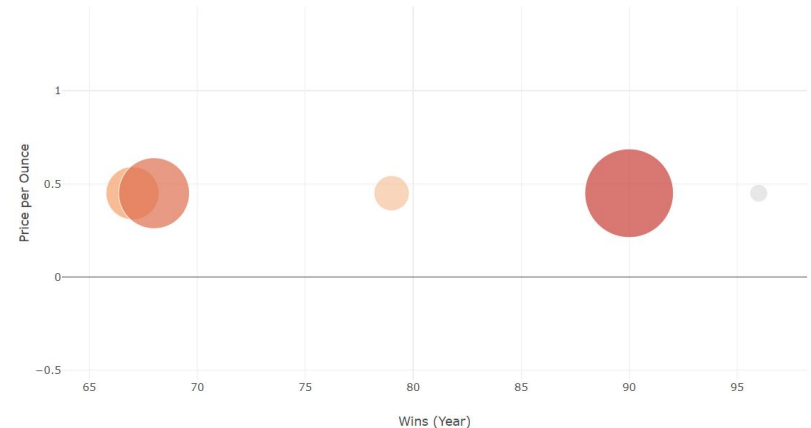
- Team Name
- Stadium (with exact Latitude and Longitude)
- Average Beer Price Per Ounce
- Average Team Wins

How do you use our Bubble Chart

- You simply select a Team from the drop down menu
- The bubble chart will display the following:
 - Team Name
 - Average Price Per Ounce
 - Average Wins
 - Year



Beer and Baseball



Below the bubble chart a table will appear



- The Table will display the following
 - Team Name
 - Average Price Per Ounce
 - Average Wins
- Enjoy seeing how your teams wins and cost of beer compares to your friends.

Locations that give you more bang for your buck at the MLB

Team	Beer Cost Per Ounce	Year	Wins
Atlanta Braves	0.45	2013	96

JS Library that we have not cover.....

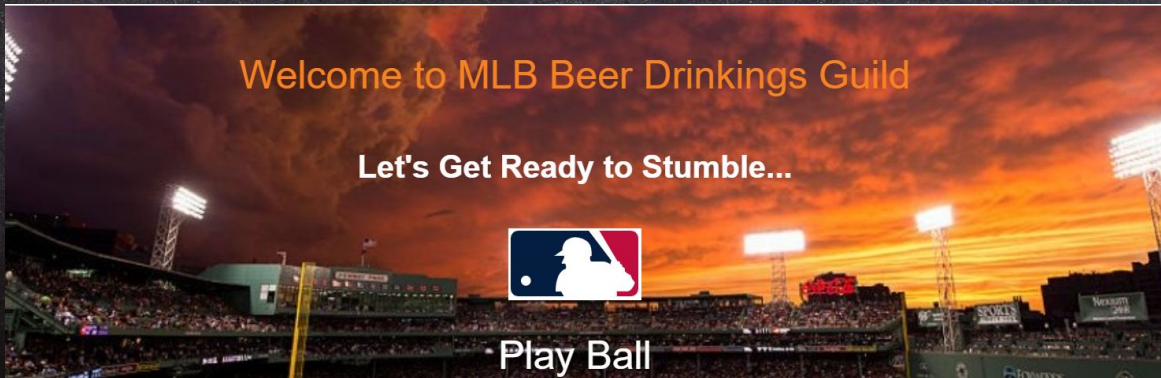
Anime

- What is Anime?
 - It is Javascript Web Animation
- How is Anime created?
 - It is created by using HTML/CSS/JS.



Welcome to Our Website.....

- At the top of the website you will see how anime is constant motion.
- Next is our dropdown menu where you select a Team to activate with our bubble chart and interactive table.
- Finally click on the map link to experience our interactive visual map.



Time for Questions.....

