

# plotly\_demo

August 23, 2019

```
[1]: import plotly.express as px
import pandas as pd
from pathlib import Path
```

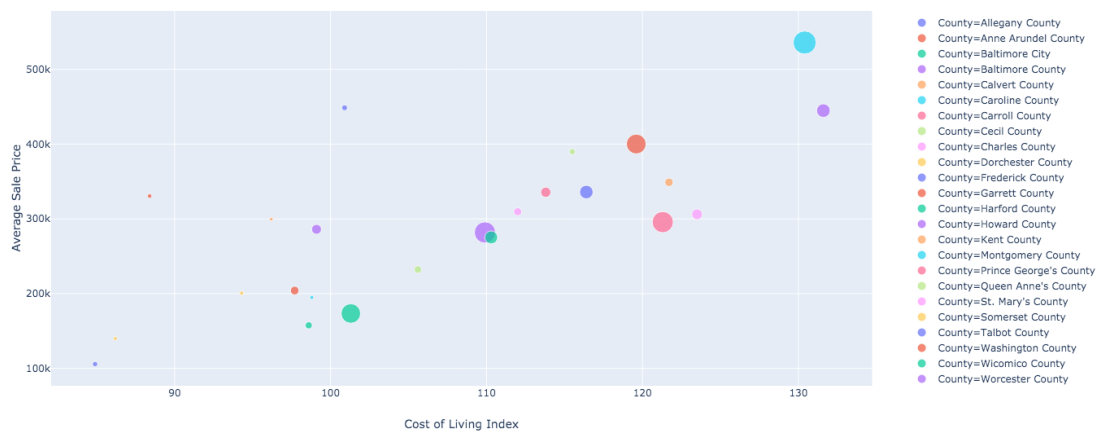
```
[2]: # Read in data
md_housing_sales = pd.read_csv(Path('../Resources/maryland_sales_data.csv'))
md_housing_sales.head()
```

```
[2]:
```

	County	Cost of Living Index	Average Sale Price \
0	Allegany County	84.9	105707
1	Anne Arundel County	119.6	400107
2	Baltimore City	101.3	173413
3	Baltimore County	109.9	281797
4	Calvert County	121.7	348891

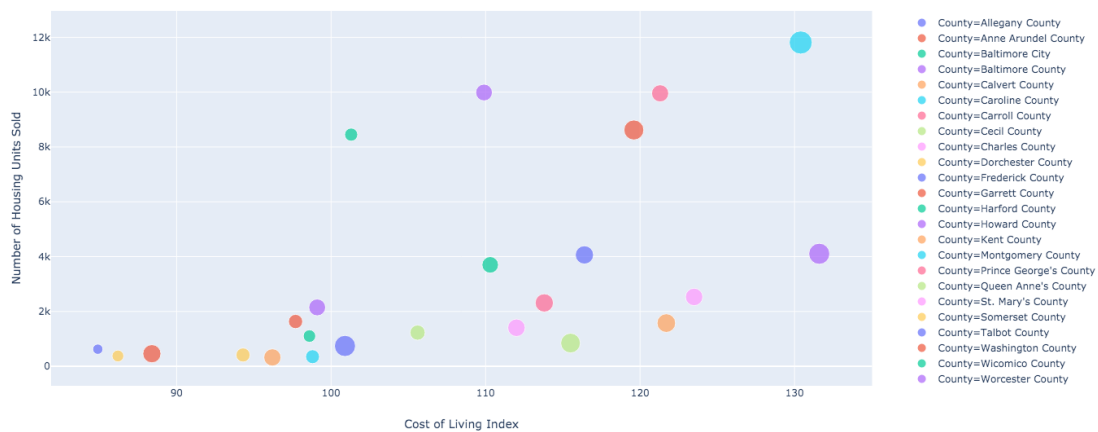
	Median Sale Price	Number of Housing Units Sold
0	90829	624
1	338287	8619
2	139723	8450
3	238426	9986
4	318471	1576

```
[3]: # Create scatter plot comparing average sale price and cost of living index
px.scatter(
    md_housing_sales,
    x="Cost of Living Index",
    y="Average Sale Price",
    size="Number of Housing Units Sold",
    color="County",
)
```



[4]: # Create scatter plot comparing number of housing units sold with cost of living index

```
px.scatter(
    md_housing_sales,
    x="Cost of Living Index",
    y="Number of Housing Units Sold",
    size="Average Sale Price",
    color="County",
)
```



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