Advanced Visualization and A/B Testing

WFFK 5

Outline

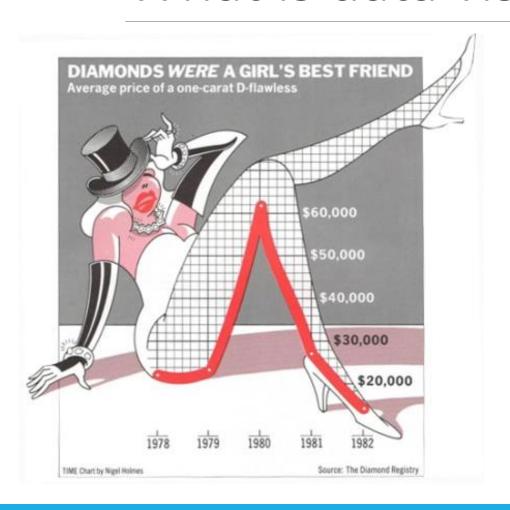
Advanced visualization in Python

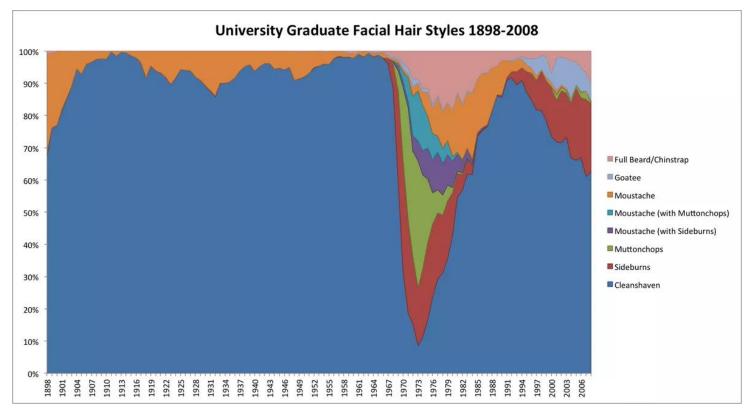
Exploratory analysis

A/B testing

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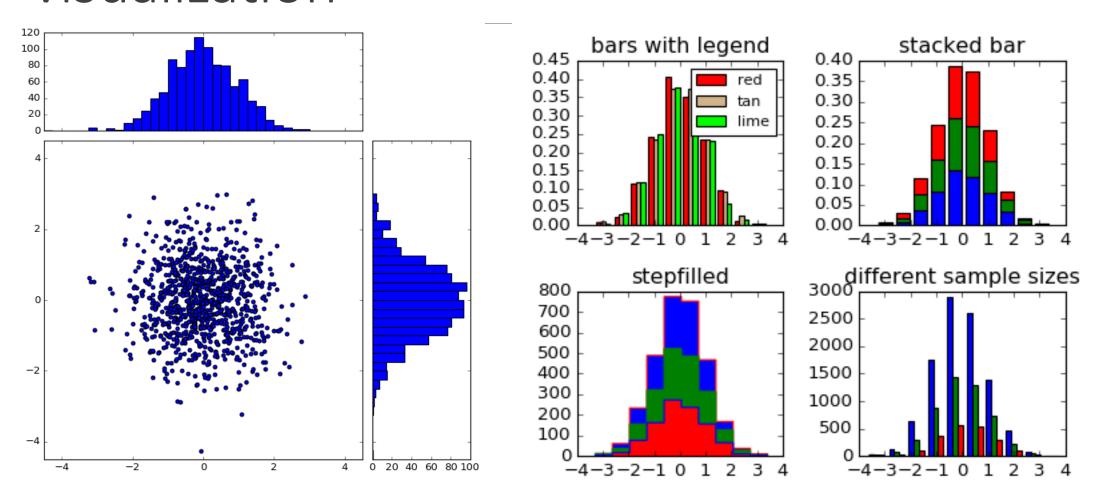
What is data visualization?



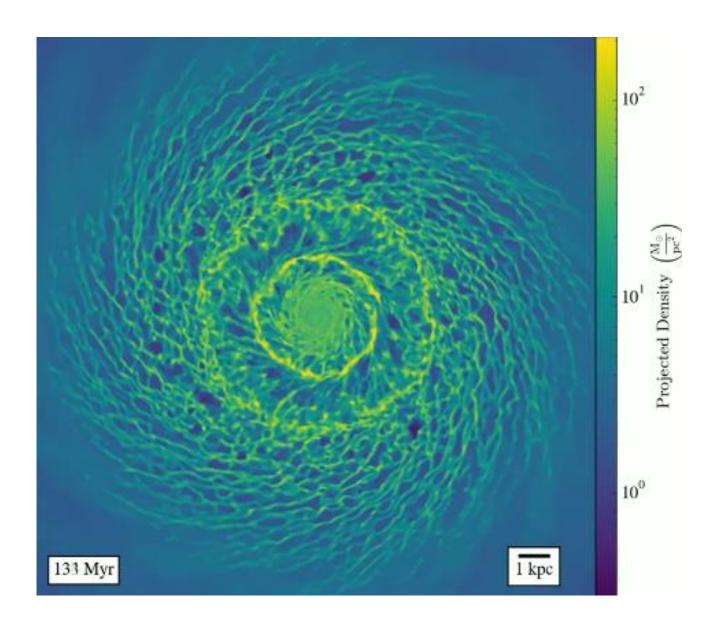


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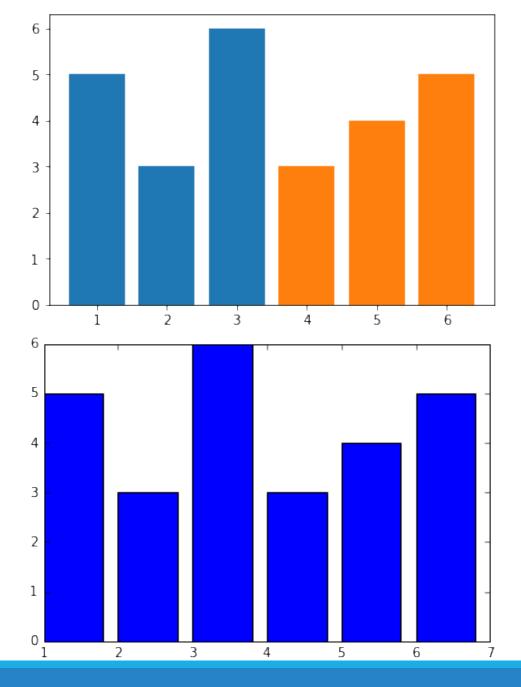
Matplotlib: Godfather of Python visualization



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Matplotlib 2.0 is here!



Which one do you like?

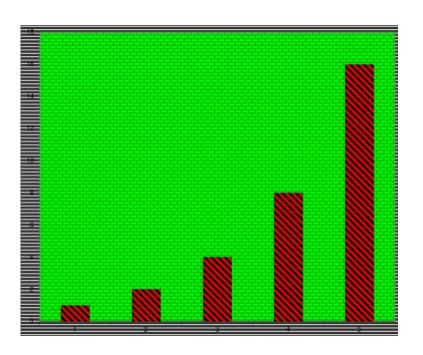
With the same code as below:

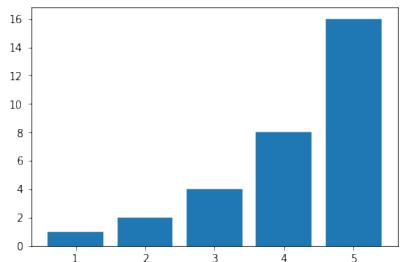
```
fig, ax = plt.subplots()
plt.bar([1, 2, 3], [5, 3, 6])
```

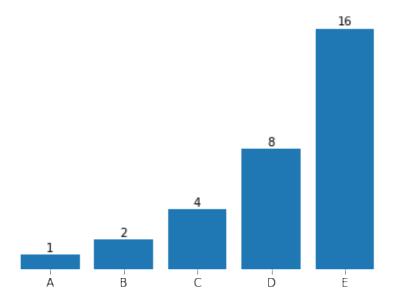
plt.bar([4, 5, 6], [3, 4, 5])

Data-ink ratio

Chartjumk is bad to deliver message clearly

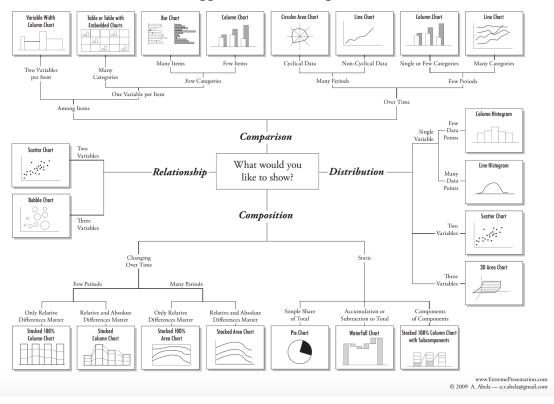






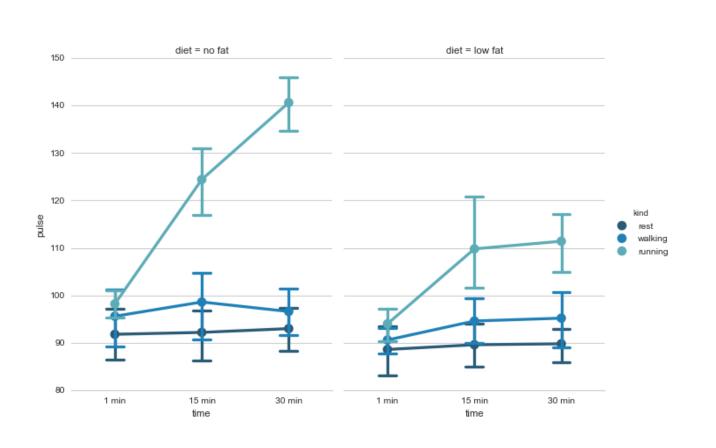
Common charts

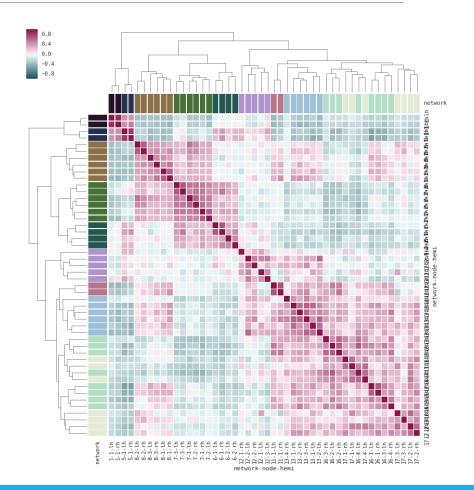
Chart Suggestions—A Thought-Starter



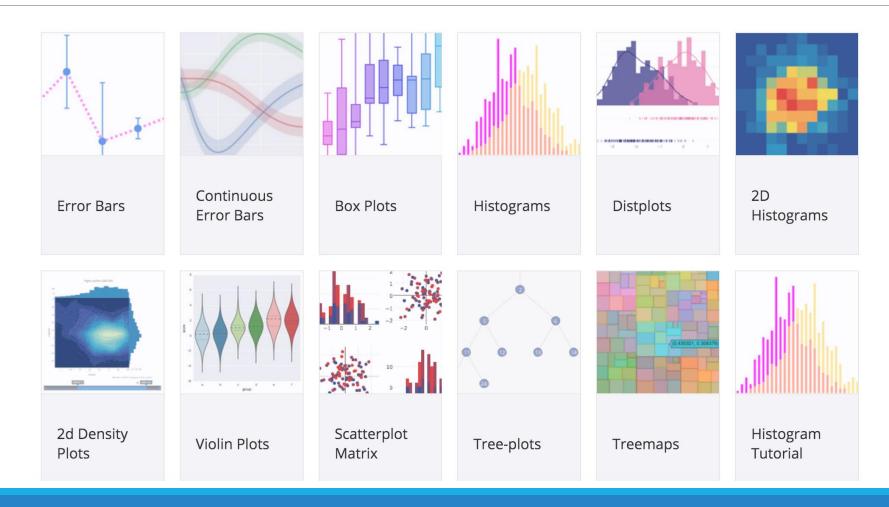
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Seaborn: beautiful extension for data analytics

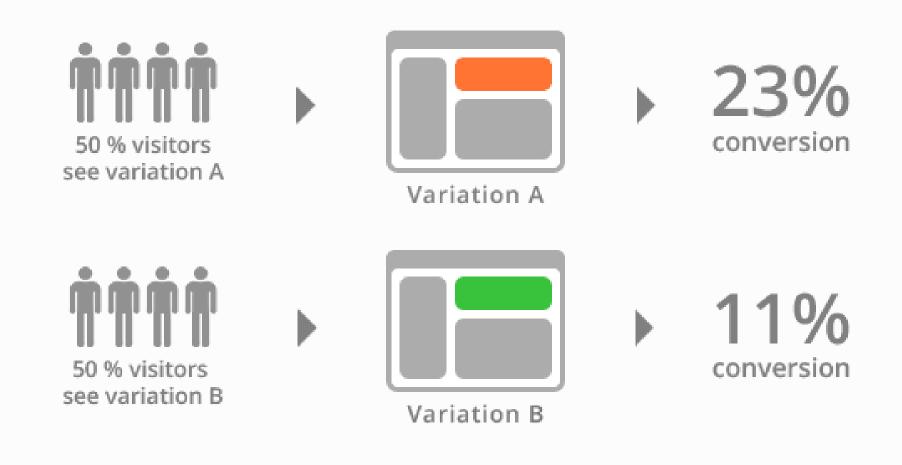




Plotly: modern interactive visualization for Python



A/B Testing



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