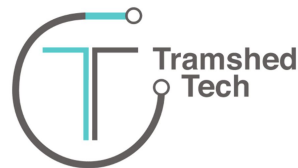




— 2nd Meetup - 13th June 2018 —

AMPLIFYi



Tonight's event:

- Introduction
- Jonathan Guy - Engineer from Kx Systems
 - Time Series Analytics for Big Fast Data
- Announcement from our Sponsors: AMPLYFI
- BREAK
 - Pizza, soft drinks, and beers
- Intro to Network Analysis with Game of Thrones

Announcements:

- PyCon 2018 Call for proposals closes **this Friday!**
 - **2018.pyconuk.org**
 - There will be talks related to data science: PyData theme
 - Tickets are on sale now!
 - **Looking for Sponsorship** - spread the word!
- SatRday conference: 23rd June
 - **Cardiff2018.satrdays.org**
 - Tickets: £30 - Students £20
 - Cardiff University Main Building
- We are always looking for speakers at the meetup!
 - Google form document - link on GitHub
 - <https://goo.gl/forms/ulu5hiCHkgnkTouA2>

Upcoming meetups:

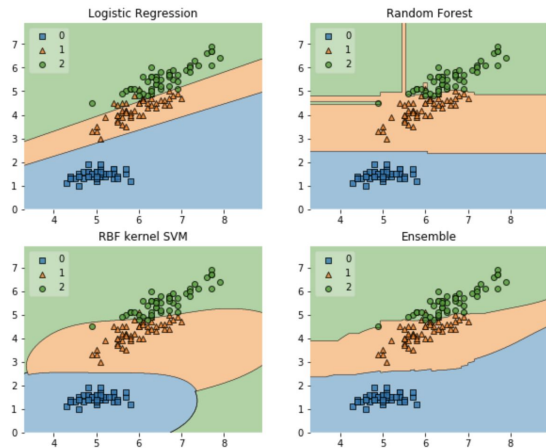
- PyData Bristol:
 - Thursday 19th of July: **Looking for speakers**
- PyDiff:
 - Next couple of months
- AI Wales
 - This coming Saturday: **MiniConf - Wales Festival of Innovation**
 - Tramshed Tech: 11:00 to 14:00
 - www.meetup.com/AI-Wales/events/251063018/
 - Next regular meetup: Thursday 5th of July
- PyData Cardiff
 - Thursday 9th of August

PyData Videos from London are online:

- Kacper's three favourites:
 - **Winning with Simple, even Linear Models** - Vincent Warmerdam
 - **Databases for Data Science** - Alex Hendorf
 - **Creating corrent and capable classifiers** - Ian Ozsvald
- All now available on the **PyData** youtube channel

Module of the Month “Bi-monthly meetup”

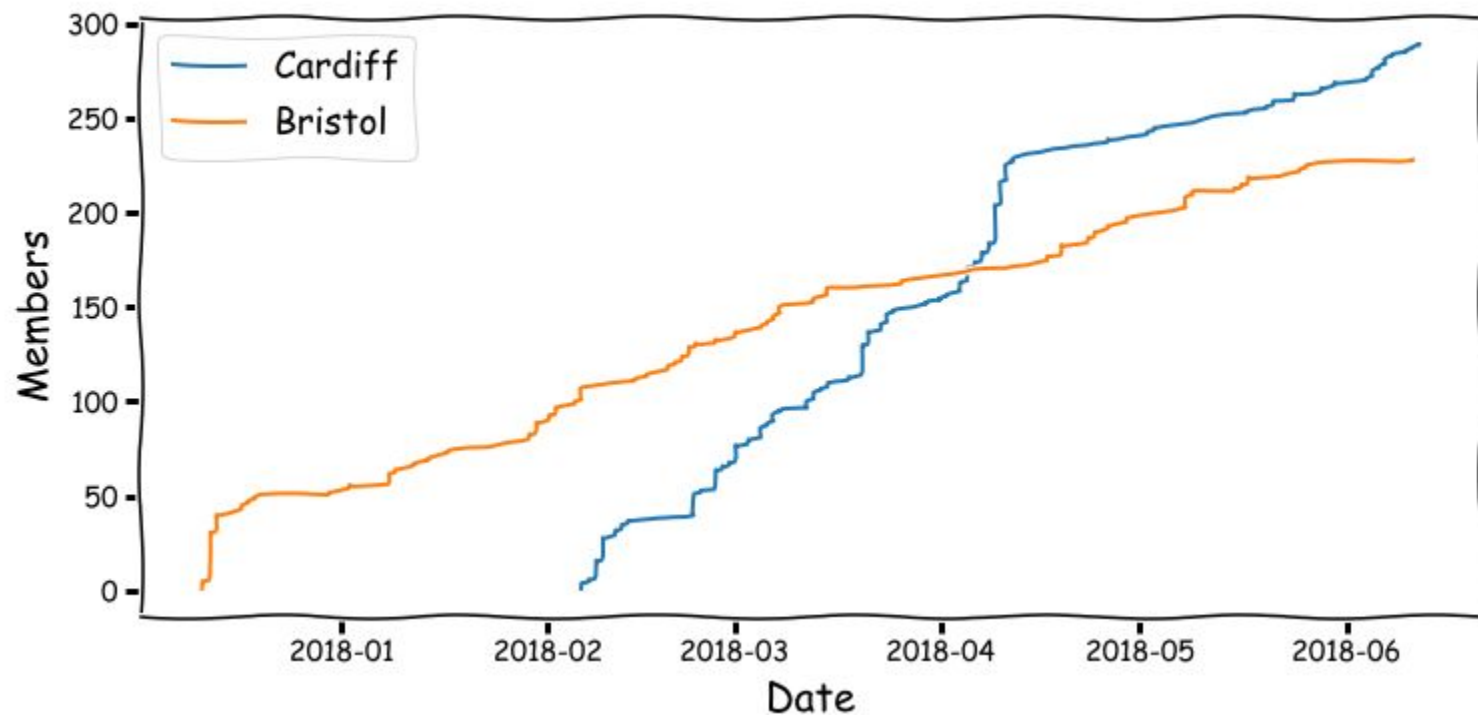
- MLXTEND - Sebastian Raschka
 - <http://rasbt.github.io/mlxtend/>
- “Machine Learning Extend”
 - Helper modules for Python machine learning and data analysis
- Featured in the Scikit-Learn mailing list this week
 - **Frequent Pattern Matching**
 - **Association Analysis**
- Easy plotting of decision boundaries



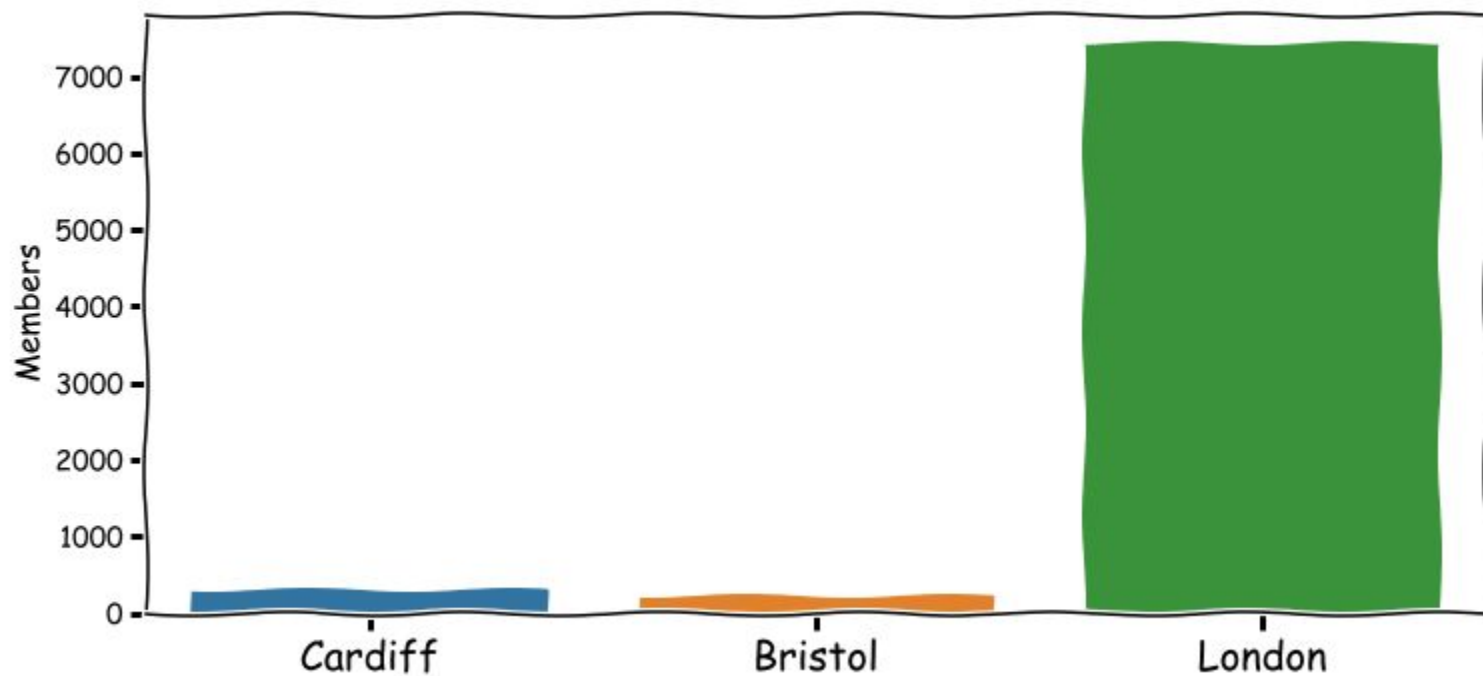
<https://mail.python.org/mailman/listinfo/scikit-learn>

Membership

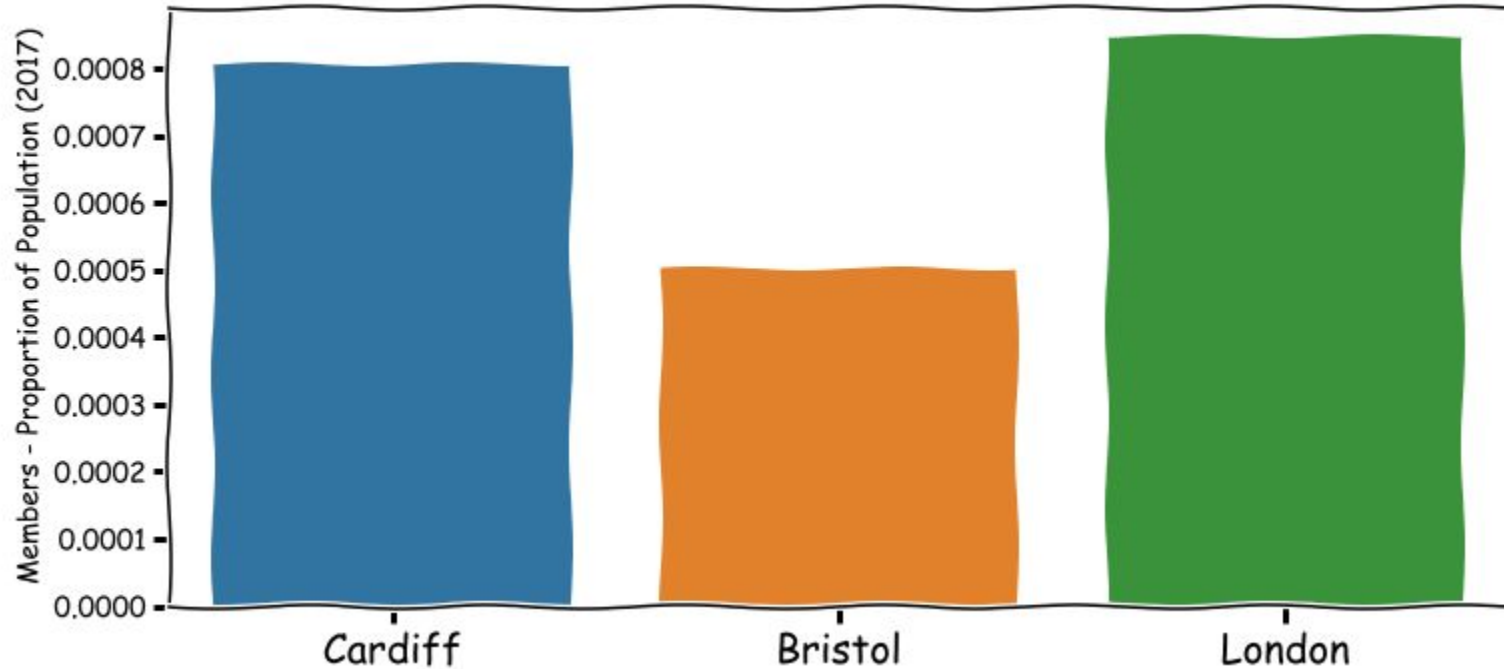
Membership so far!



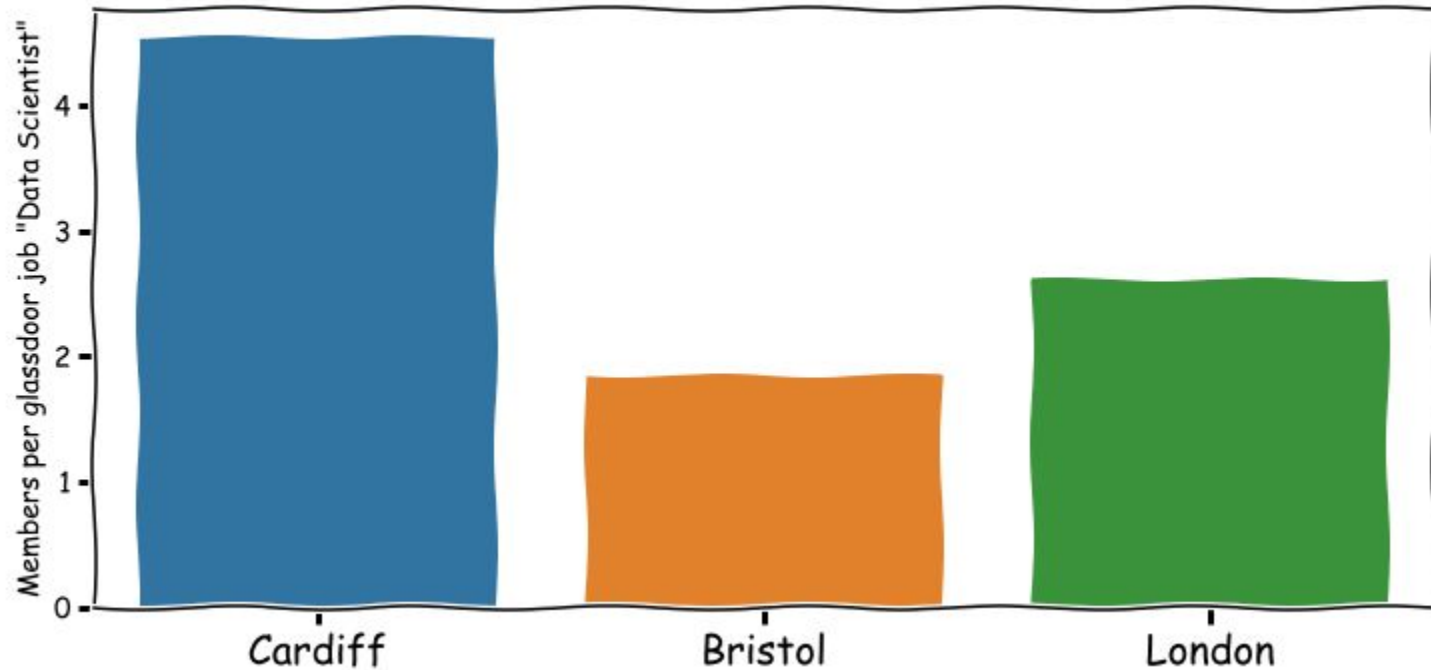
Let's bring in London!



Membership proportion of population



Members per glassdoor job title of “Data Scientist”



XKCD Style graphs

- Matplotlib

```
with plt.xkcd(randomness=0.5):  
    fig = plt.figure(figsize=(12, 5.5))  
    plt.plot(cardiff_prep.index, cardiff_prep.Members, label='Cardiff')  
    plt.plot(bristol_prep.index, bristol_prep.Members, label='Bristol')  
    plt.legend(loc='best', fontsize=18)  
    plt.xlabel('Date', fontsize=20)  
    plt.ylabel('Members', fontsize=20)
```

- Seaborn

```
with plt.xkcd(randomness=0.5):  
    fig, ax = plt.subplots(figsize=(12, 5.5))  
    sns.barplot(data=normed_df, x='Meetup', y='Members')  
    ax.set_xlabel('')  
    ax.set_ylabel('Members', fontsize=16)  
    ax.set_xticklabels(['Cardiff', 'Bristol', 'London'], fontsize=20)
```

First talk:

- Jonathan Guy - Kx Systems
 - **Time Series Analytics for Big Fast Data**