Henok Getachew Data science

Part one **my github username =** Henok-23
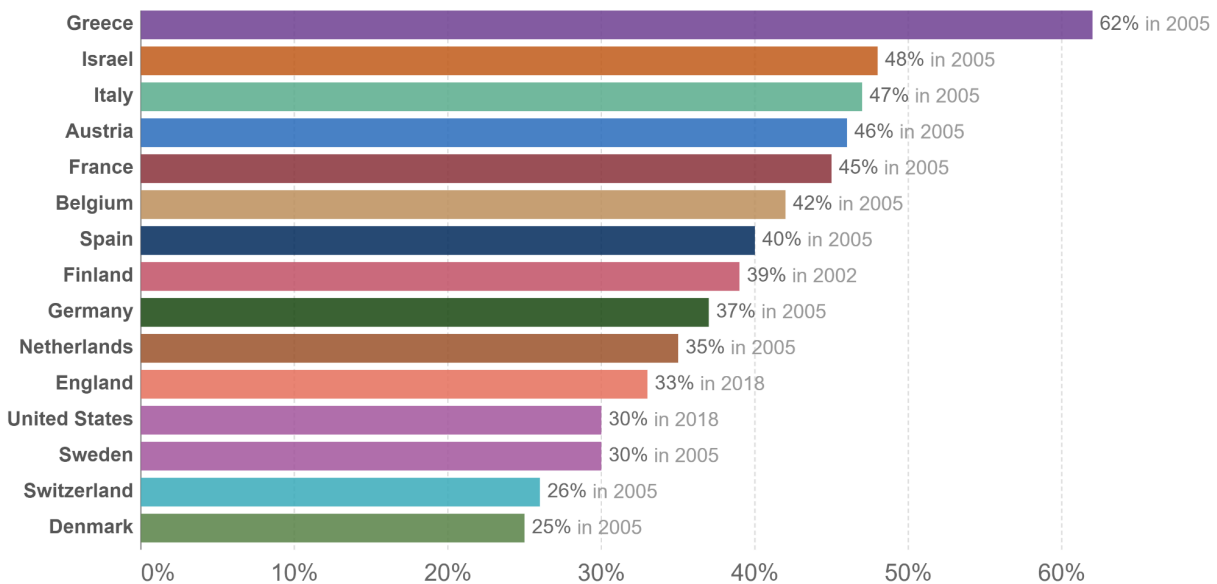
Part Two
Data science data recreation

Original data

Self-reported loneliness among older adults

Share of survey respondents who report feeling lonely at least some of the time. For all countries estimates correspond to population ages 65+, except in the following cases: US (ages 72+); UK (ages 65-74); and Finland (ages 75+).

Our World in Data

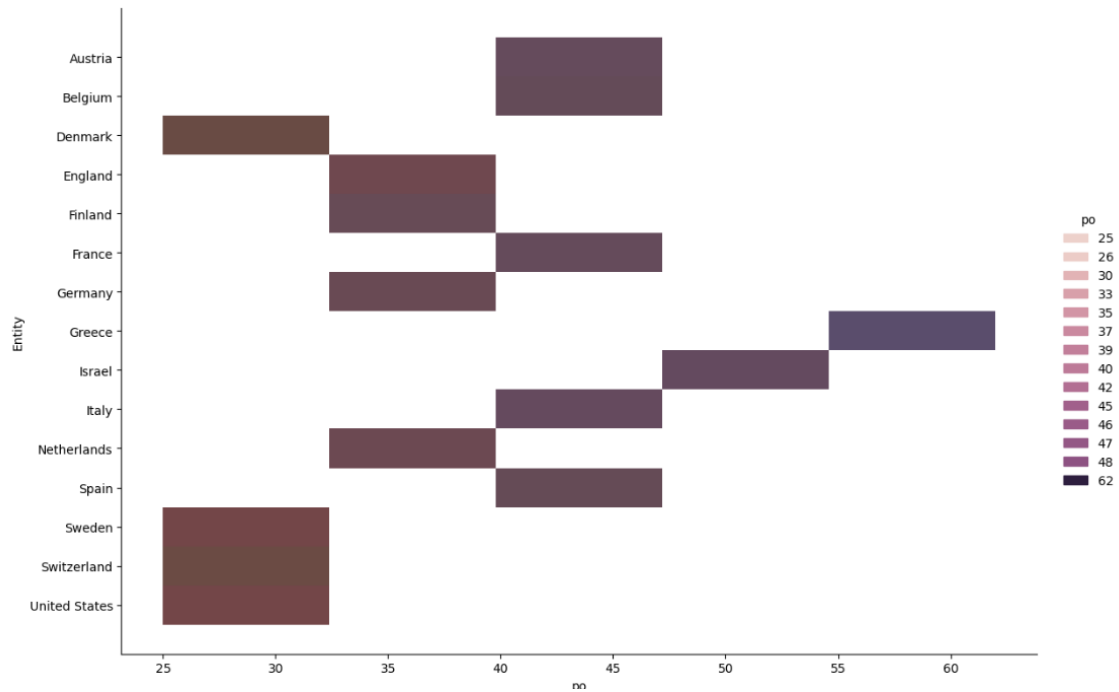| Country	Value
Greece	62% in 2005
Israel	48% in 2005
Italy	47% in 2005
Austria	46% in 2005
France	45% in 2005
Belgium	42% in 2005
Spain	40% in 2005
Finland	39% in 2002
Germany	37% in 2005
Netherlands	35% in 2005
England	33% in 2018
United States	30% in 2018
Sweden	30% in 2005
Switzerland	26% in 2005
Denmark	25% in 2005

0%   10%   20%   30%   40%   50%   60%

Source: Our World in Data based on Sundström et al. (2009), Savikko et al (2005), ONS (2019) and CIGNA (2018)
Note: Estimates correspond to people who report feeling lonely "some of the time", "most of the time", or "almost all the time". This is in contrast to those that report feeling lonely "rarely", "almost none of the time", or "never".
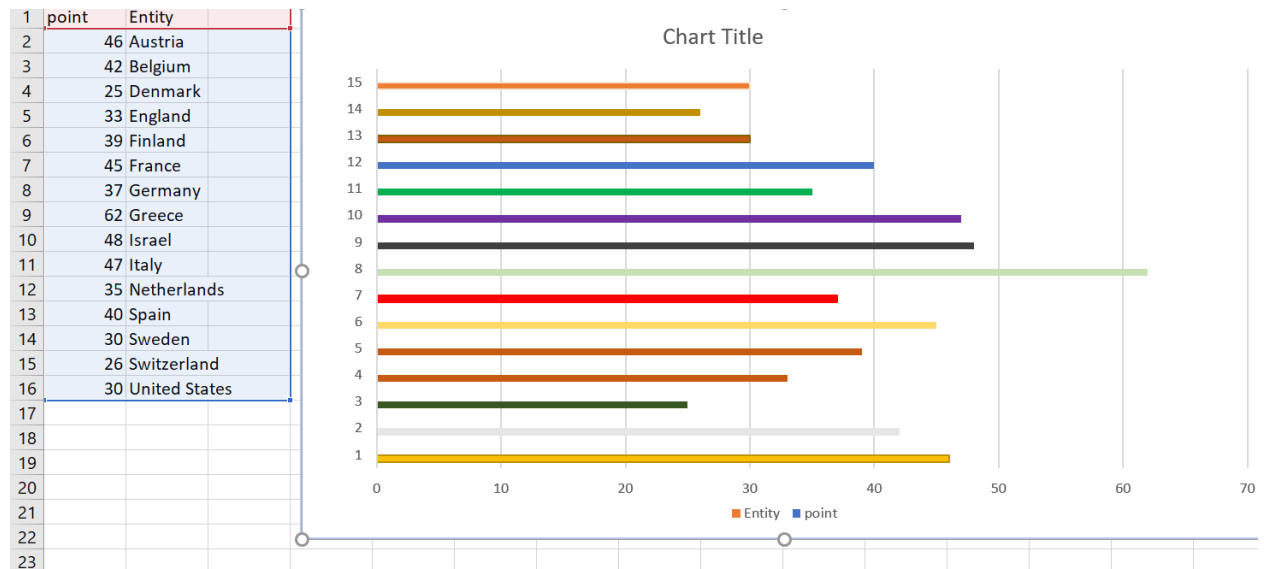OurWorldInData.org/social-connections-and-loneliness • CC BY

1, data recreation with python Pandas

```
In [76]: my_plot = sns.displot(df, y="Entity", x="po", height=8, aspect=1.5, hue="po")
```
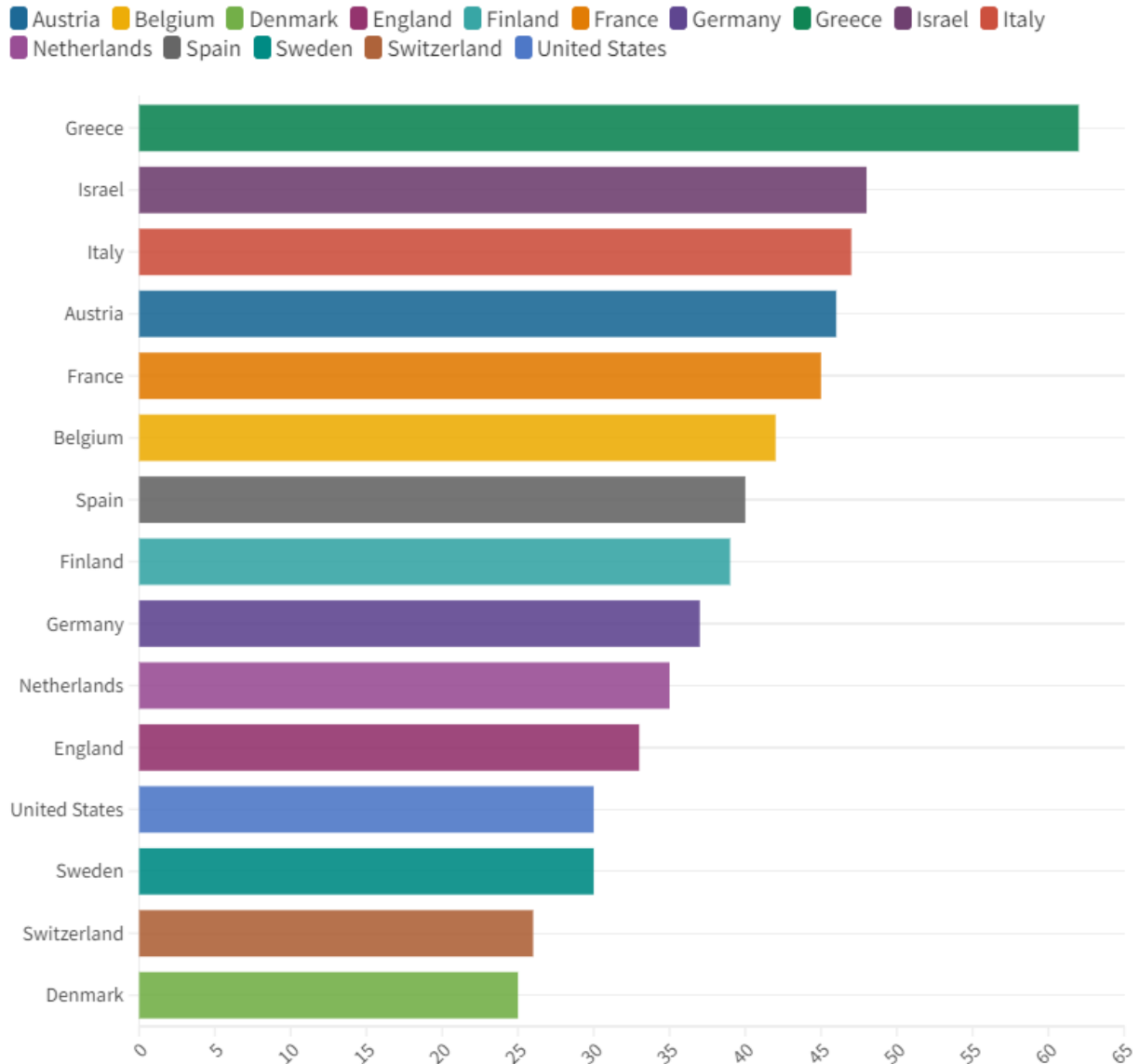

2 Data recreation with excel

point	Entity
46	Austria
42	Belgium
25	Denmark
33	England
39	Finland
45	France
37	Germany
62	Greece
48	Israel
47	Italy
35	Netherlands
40	Spain
30	Sweden
26	Switzerland
30	United States

Chart Title

Entity ■ point

This one is the data recreation with excel and the number on the y axis corresponds to the order of the countries listed. 1-Austria, 2-Belgium, 3-Denmark, 4-England, 5-Finland etc.

3rd visualization with Flourish

Why I picked this Dataset

I am currently in the United States and highly understand the seriousness of this societal problem that many people are facing. Henceforth, I would like to use the data and its visualization as an aid to highlight this problem-loneliness which I have experienced slightly since coming to the United States.

Reflection on Dataset Recreation.

I recreated data in three different ways, using: pandas python, flourish, and also excel. Surprisingly, I found out that flourish was the easiest of all to learn and also made the graph in which it took me less than five minutes to learn to flourish and create the graph. On the contrary, I spent two hours learning excel and creating the data visualization on excel which makes excel the second best next to Flourish. Lastly, I ranked pandas to be last since it took me 8 weeks of classes and also one hour of implementing my knowledge to create the data visualization. Moreover, my flourish data visualization looks exactly similar to the original data recreation.

Part three

I requested data from amazon, youtube(google), and email(google). The data has arrived to me. I was quite surprised that some of the data that they have about me is wrong as amazon classified me as 35 years old male however I am 15 years away from being thirty five which gives me an indication that their algorithm isn't as perfect as they boast it to be. All three parties sent me my personal data that I have requested from them.