

Parental Leave Dashboard

Group Project

by

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Outline

1. Problem Statement
2. Data Analysis
3. Dashboard
4. Conclusion

Problem Statement

Us: Members of advocacy group MomsRising



Audience: Senate Health, Education, Labor, and Pensions committee.

Why is this important?

Paid Maternity Leave is an important issue as it affects mothers in particular, but also their families. Countries across the world have implemented various policies to support mothers and their careers, while others have no policies at all. In these cases, mothers rely on the private sector to do the right thing. Parental leave in general is something of utmost importance for quality of life.

Data Sources.

Data was collected from the OECD and Data Catalog websites.

http://www.oecd.org/els/soc/PF1_1_Public_spending_on_family_benefits.xlsx

http://www.oecd.org/els/soc/PF2_1_Parental_leave_systems.xlsx

<http://www.oecd.org/els/family/PF2-2-Use-childbirth-leave.xlsx>

http://www.oecd.org/els/soc/PF2_3_Additional_leave_entitlements_of_working_parents.xls

https://stats.oecd.org/viewhtml.aspx?datasetcode=HEALTH_PROT&lang=en

<https://worldpopulationreview.com/country-rankings/maternity-leave-by-country>

<https://stats.oecd.org/index.aspx?queryid=54760>

http://www.oecd.org/social/family/CO_1_4_Childhood_vaccination.xlsx

http://www.oecd-korea.org/resource/download/2019/eng/CO_1_4_Childhood_vaccination.xlsx

<http://www.oecd.org/social/family/43136973.xls>

http://www.oecd.org/social/family/CO_1_3_Low_birth_weight.xlsx

http://www.oecd-korea.org/resource/download/2019/eng/CO_1_3_Low_birth_weight.xlsx

http://www.oecd.org/els/soc/LMF_1_2_Maternal_Employment.xlsx

http://www.oecd.org/els/soc/LMF_1_3_Maternal_employment_by_partnership_status.xlsx

<https://datacatalog.worldbank.org/dataset/gender-statistics>

http://www.oecd.org/social/family/CO_1_1_Infant_Mortality.xlsx

http://www.oecd-korea.org/resource/download/2019/eng/CO_1_1_Infant_Mortality.xlsx

http://www.oecd.org/els/soc/CO_1_2_Life_expectancy_at_birth.xlsx

http://www.oecd-korea.org/resource/download/2019/eng/CO_1_2_Life_expectancy_birth.xlsx

https://stats.oecd.org/Index.aspx?DataSetCode=GENDER_EMP

http://www.oecd.org/els/family/CO3_1_Educational_attainment_by_gender.xlsx

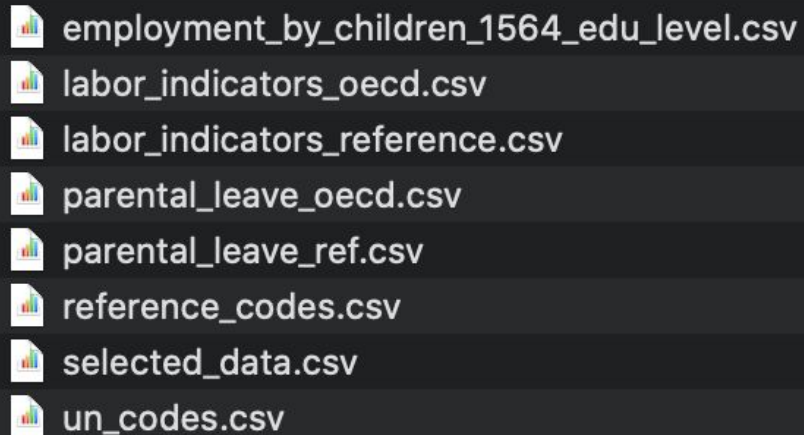
http://www.oecd-korea.org/resource/download/2019/eng/CO_3_1_Educational_attainment_by_gender.xlsx

<https://stats.oecd.org/Index.aspx?DataSetCode=GIADB2019>

<https://datacatalog.worldbank.org/dataset/world-development-indicators>

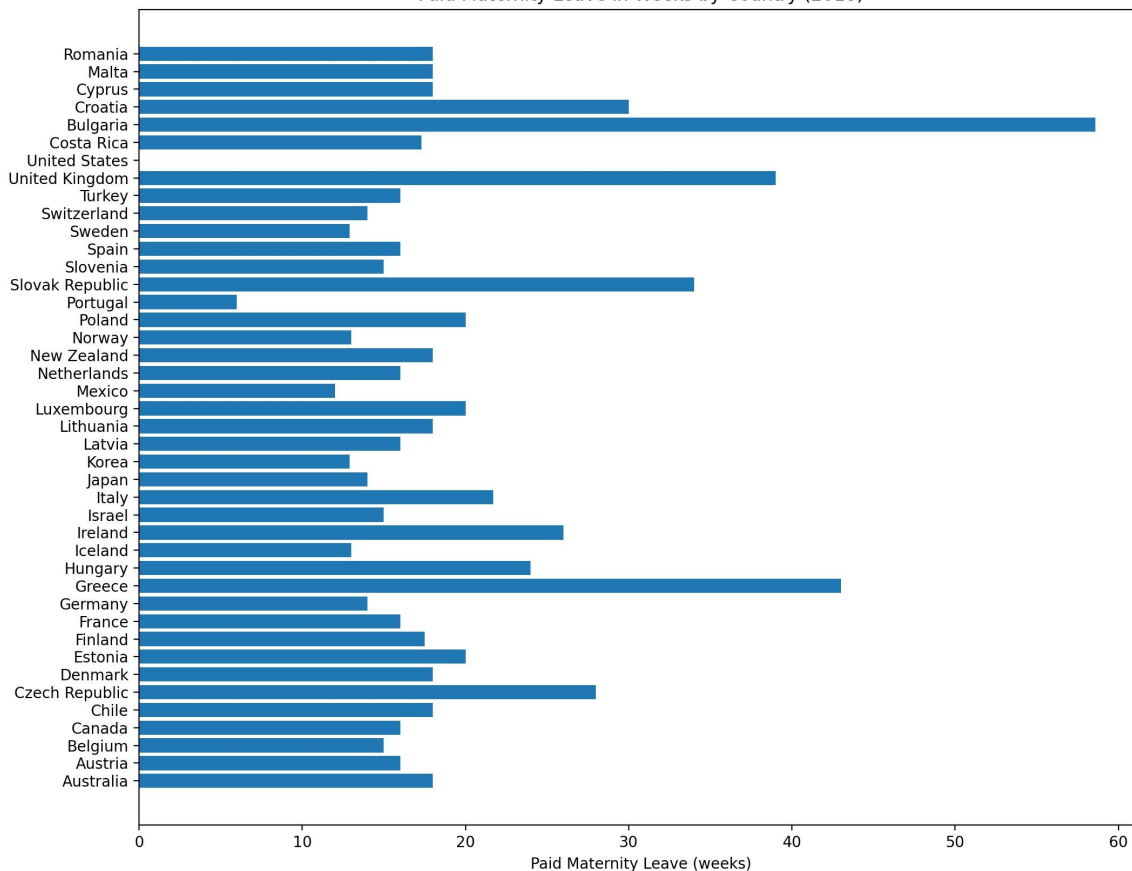
Data Cleaning.

Data was collected from the OECD and Data Catalog websites.

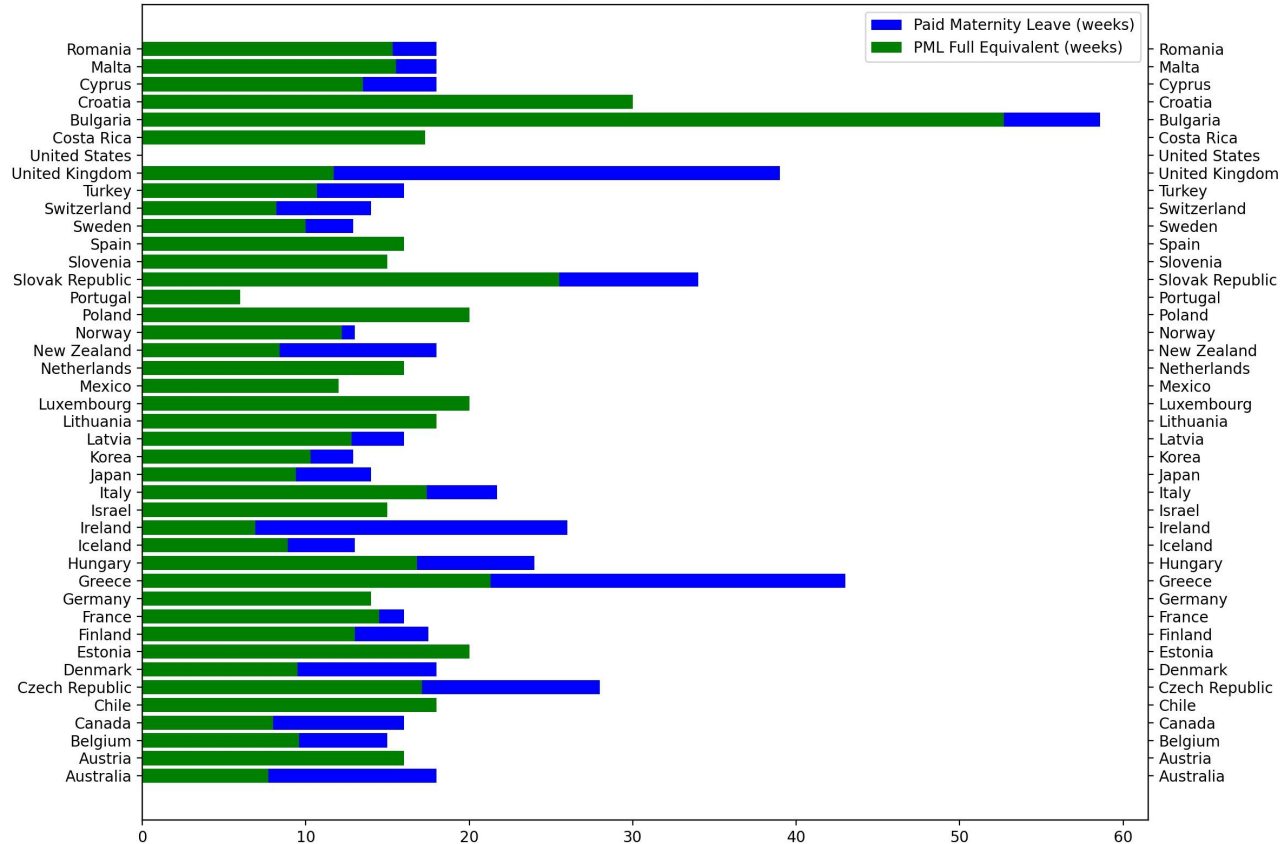


- employment_by_children_1564_edu_level.csv
- labor_indicators_oecd.csv
- labor_indicators_reference.csv
- parental_leave_oecd.csv
- parental_leave_ref.csv
- reference_codes.csv
- selected_data.csv
- un_codes.csv

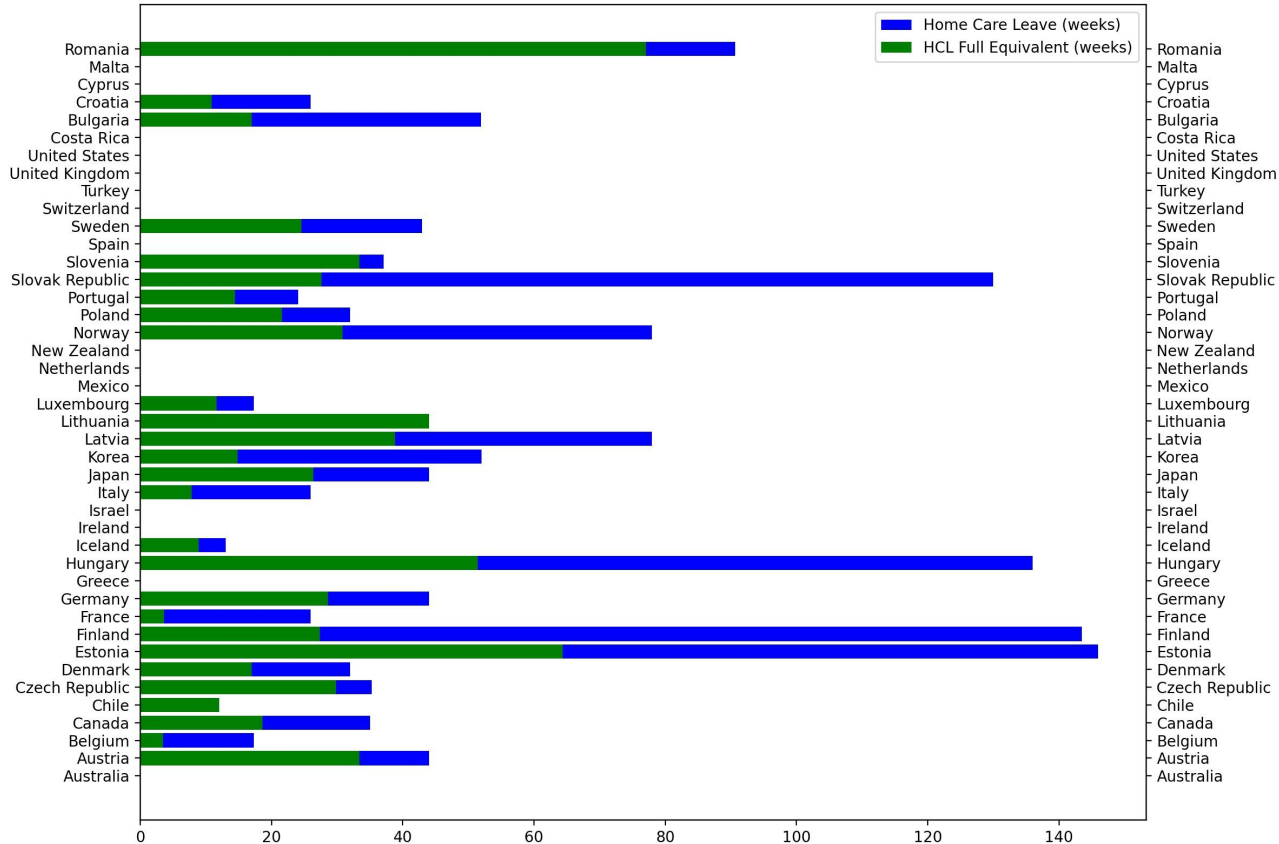
Paid Maternity Leave in Weeks by Country (2018)



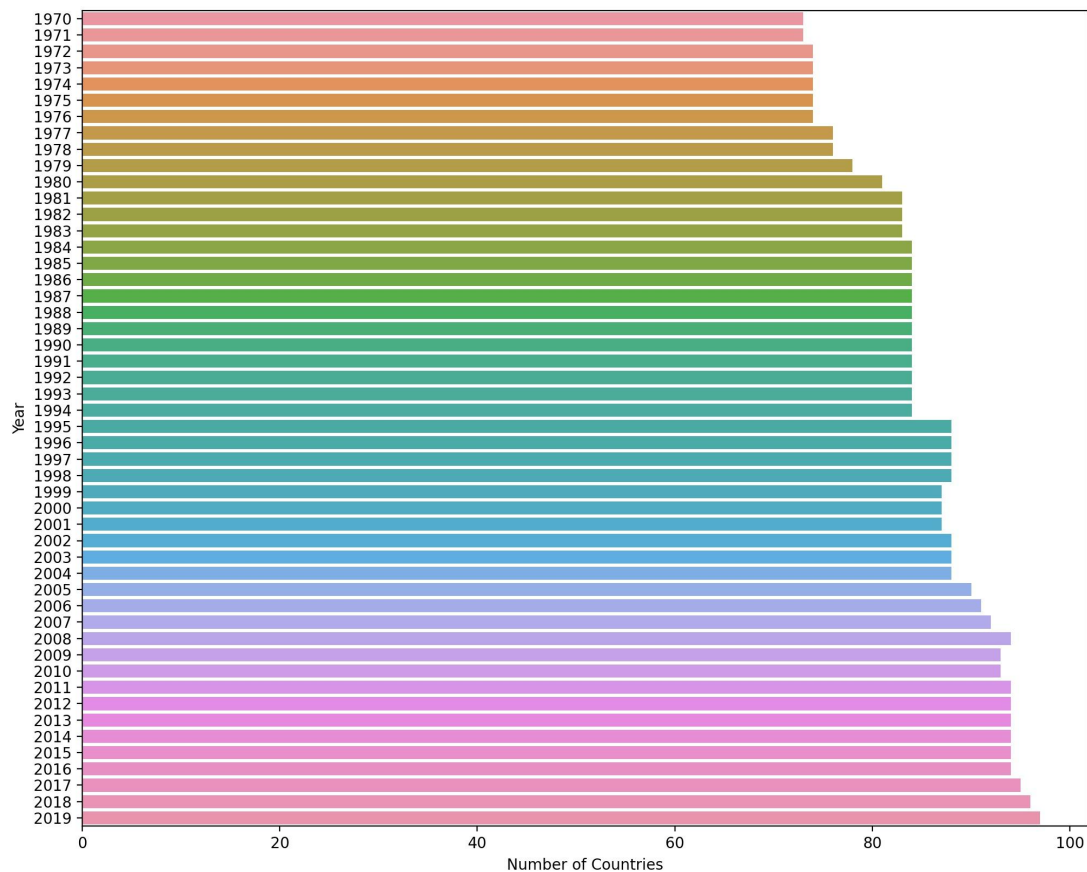
What countries are best at matching the PML full pay equivalent to the total PML in 2018?



What countries are best at matching the HCL full pay equivalent to the total HCL in 2018?

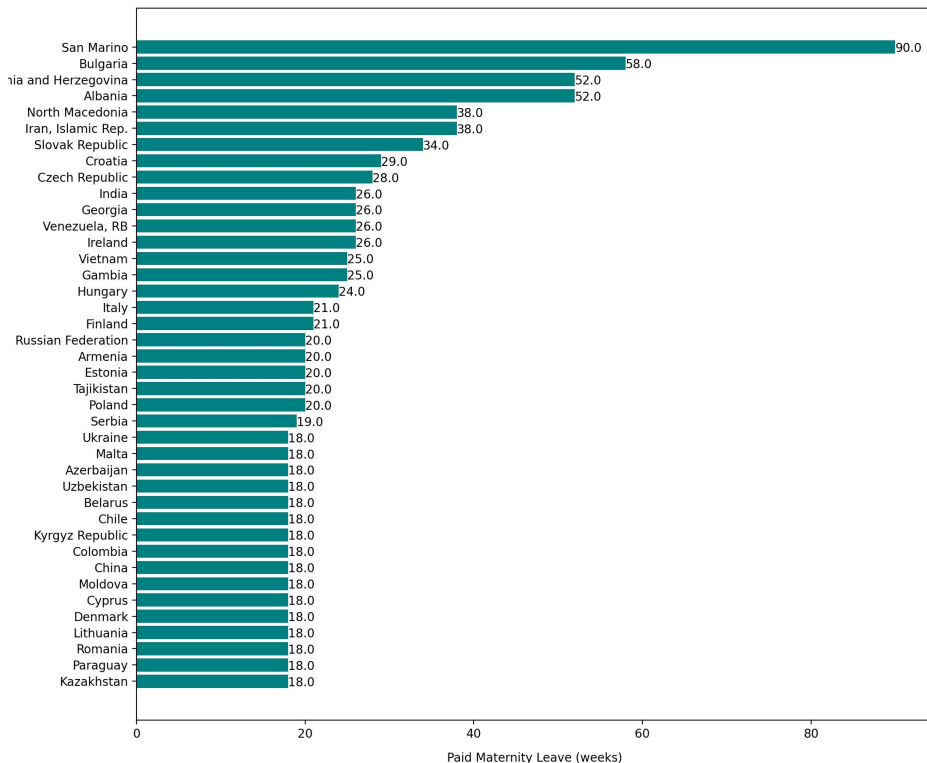


Total Number of Countries administering 100% of Maternity Leave Benefits by Year

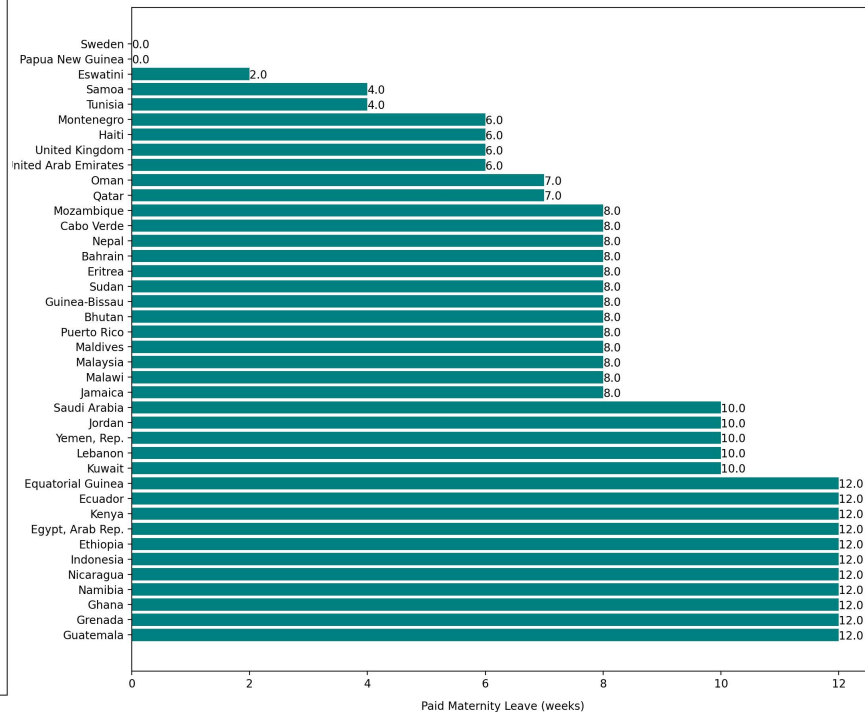


The contrast across the world is high, with Paid Maternity Leave ranging from 90 weeks to 0.

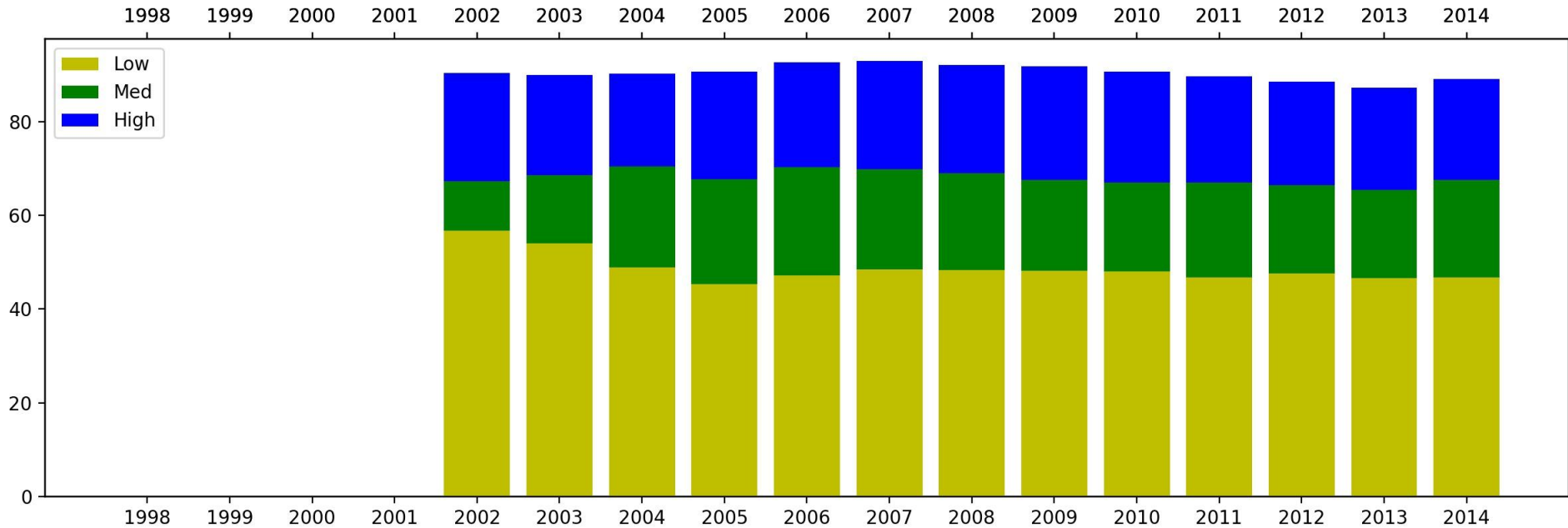
Top 40 Countries offering longest Paid Maternity Leave (weeks) in 2019



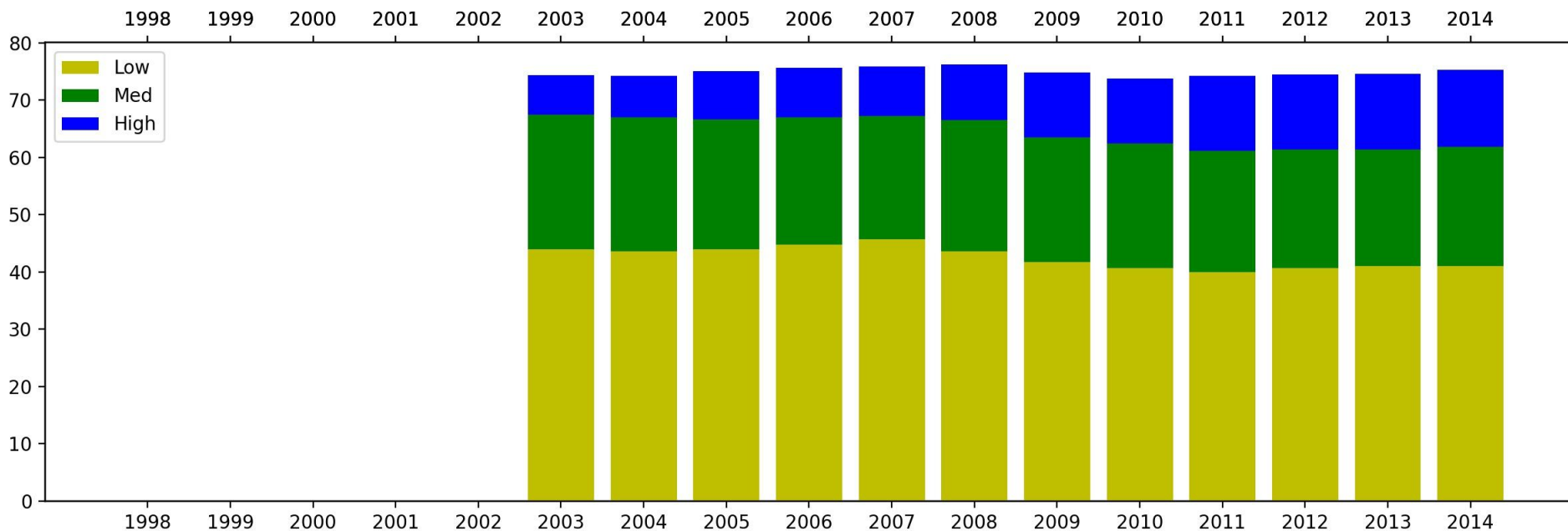
Bottom 40 Countries offering shortest Paid Maternity Leave (weeks) in 2019



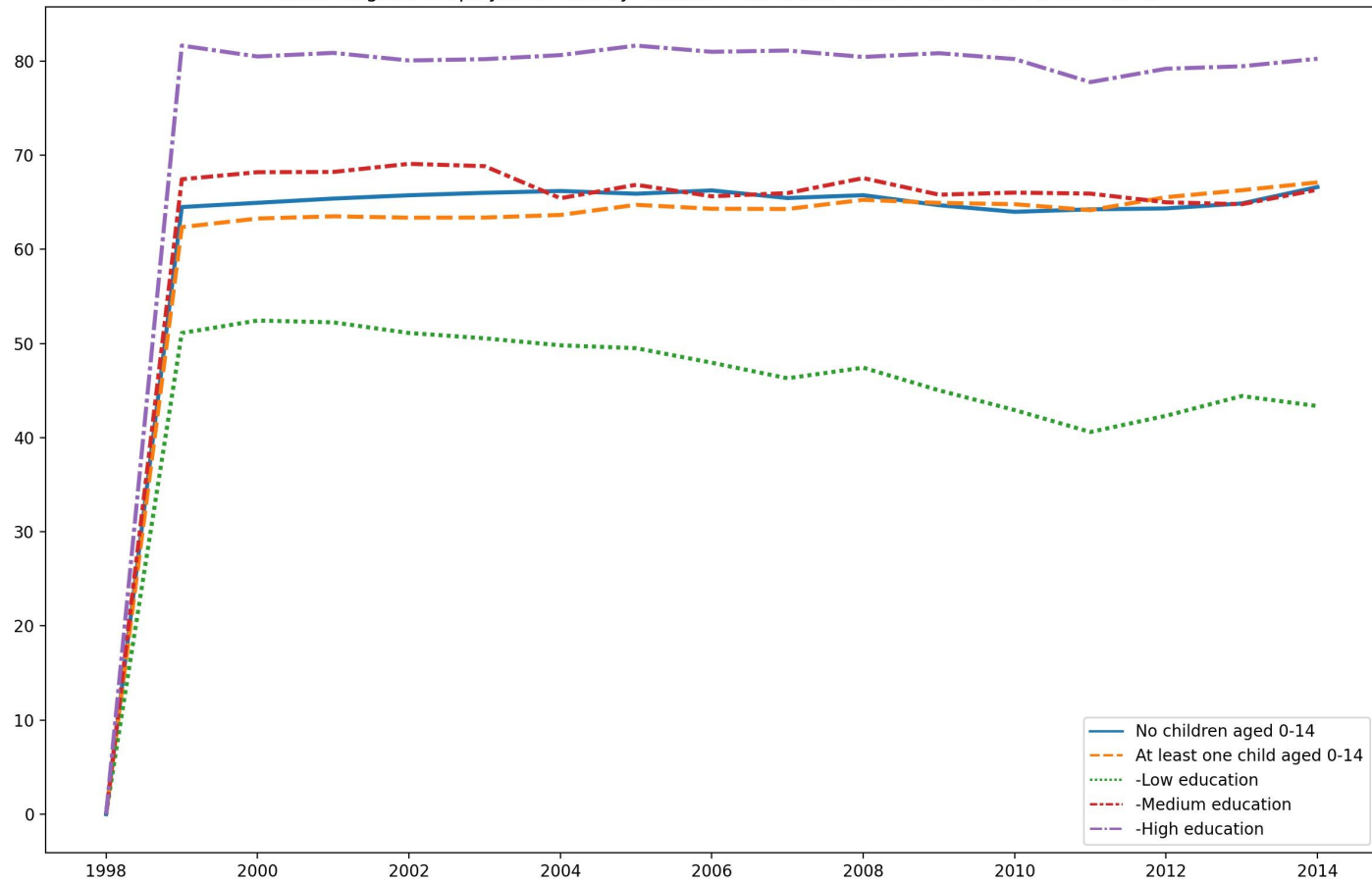
Romania Employment Rate by Year and Education Level



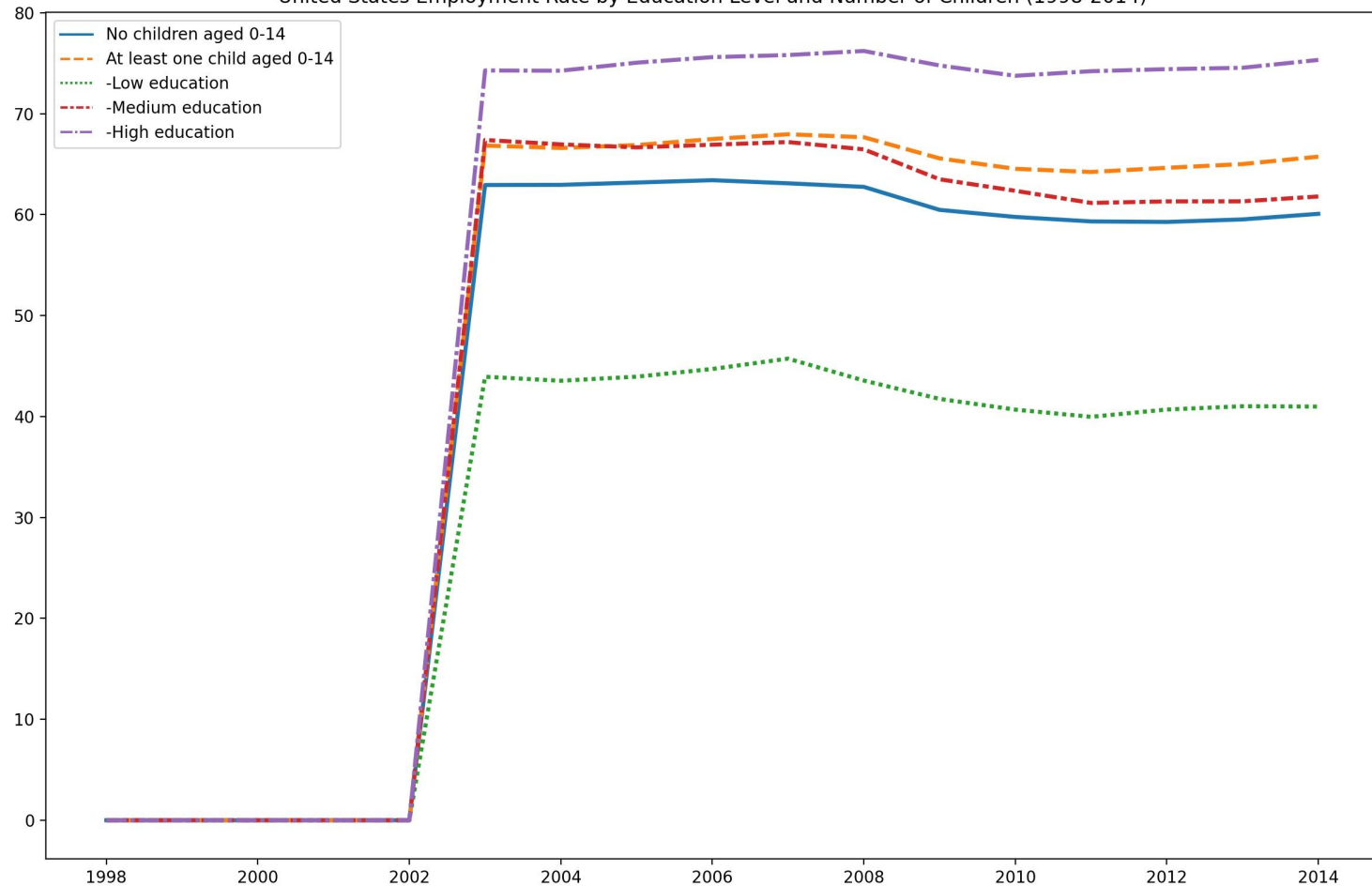
United States Employment Rate by Year and Education Level



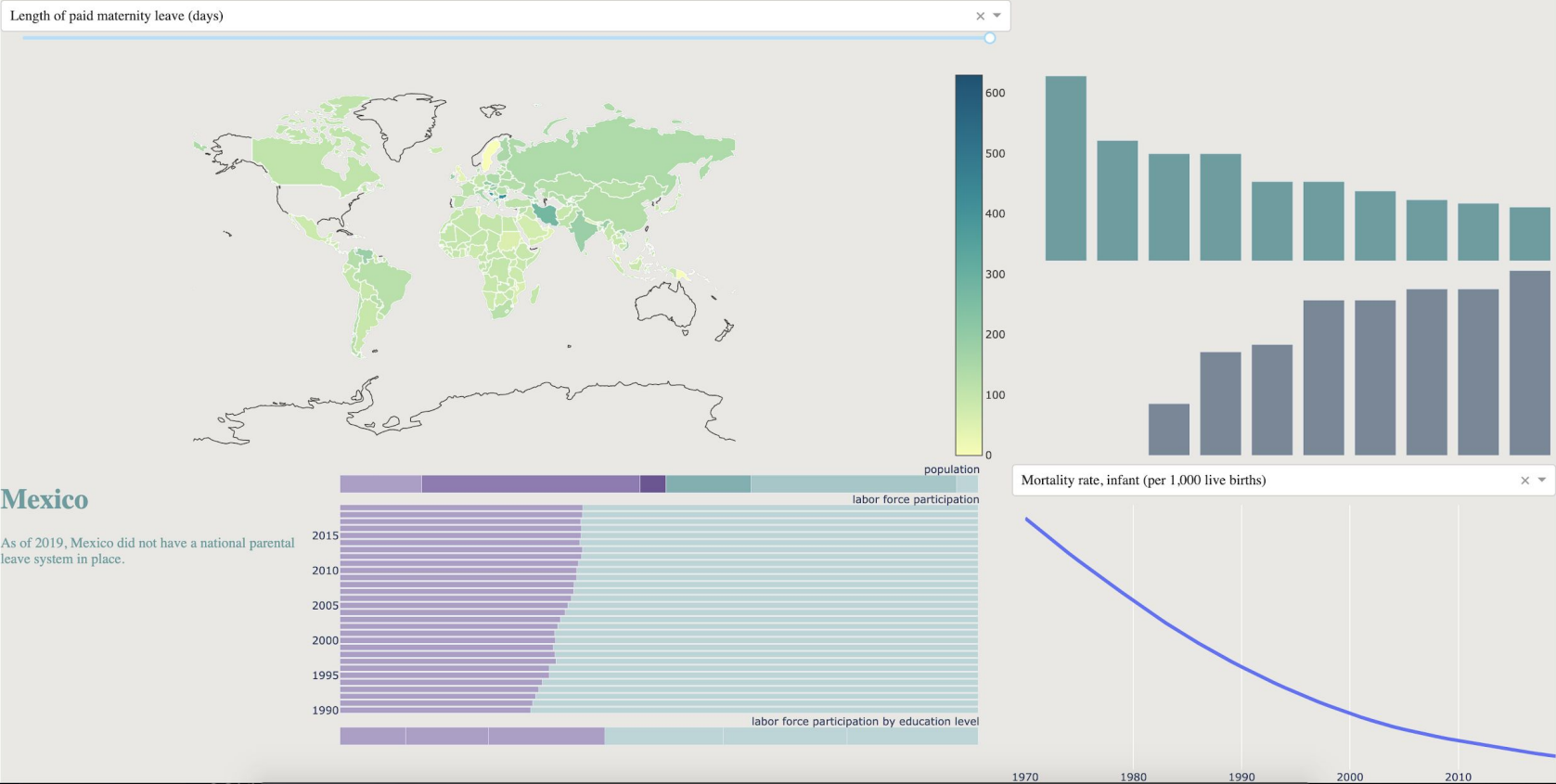
United Kingdom Employment Rate by Education Level and Number of Children (1998-2014)



United States Employment Rate by Education Level and Number of Children (1998-2014)



parental leave and health



Conclusions and Recommendations¶

- With the Dashboard tool in place, we can further explore the effects of family leave (i.e. maternity leave, home care leave, paternity leave, etc.) on society.
- The Dashboard is available to any user to explore. Specifically, it is clear that many countries have in place good family leave policies, and the United States could follow suit.

Next Steps:

- Continue to explore how family leave policies positively affect society at various levels, i.e. health, development, economic, quality of life, employment rate, etc.
- Add other functions to the Dashboard Tool.

Thank you!