

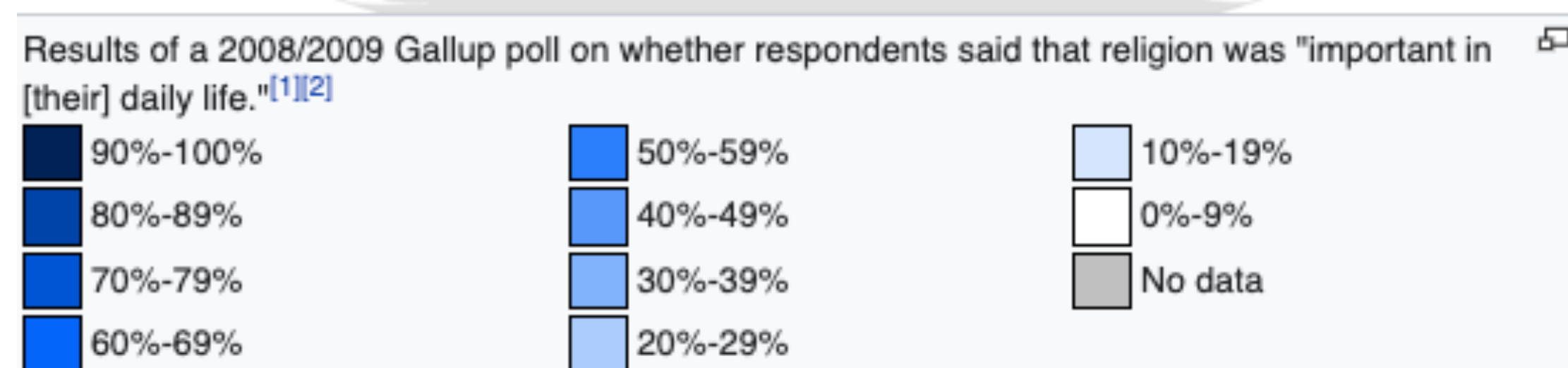
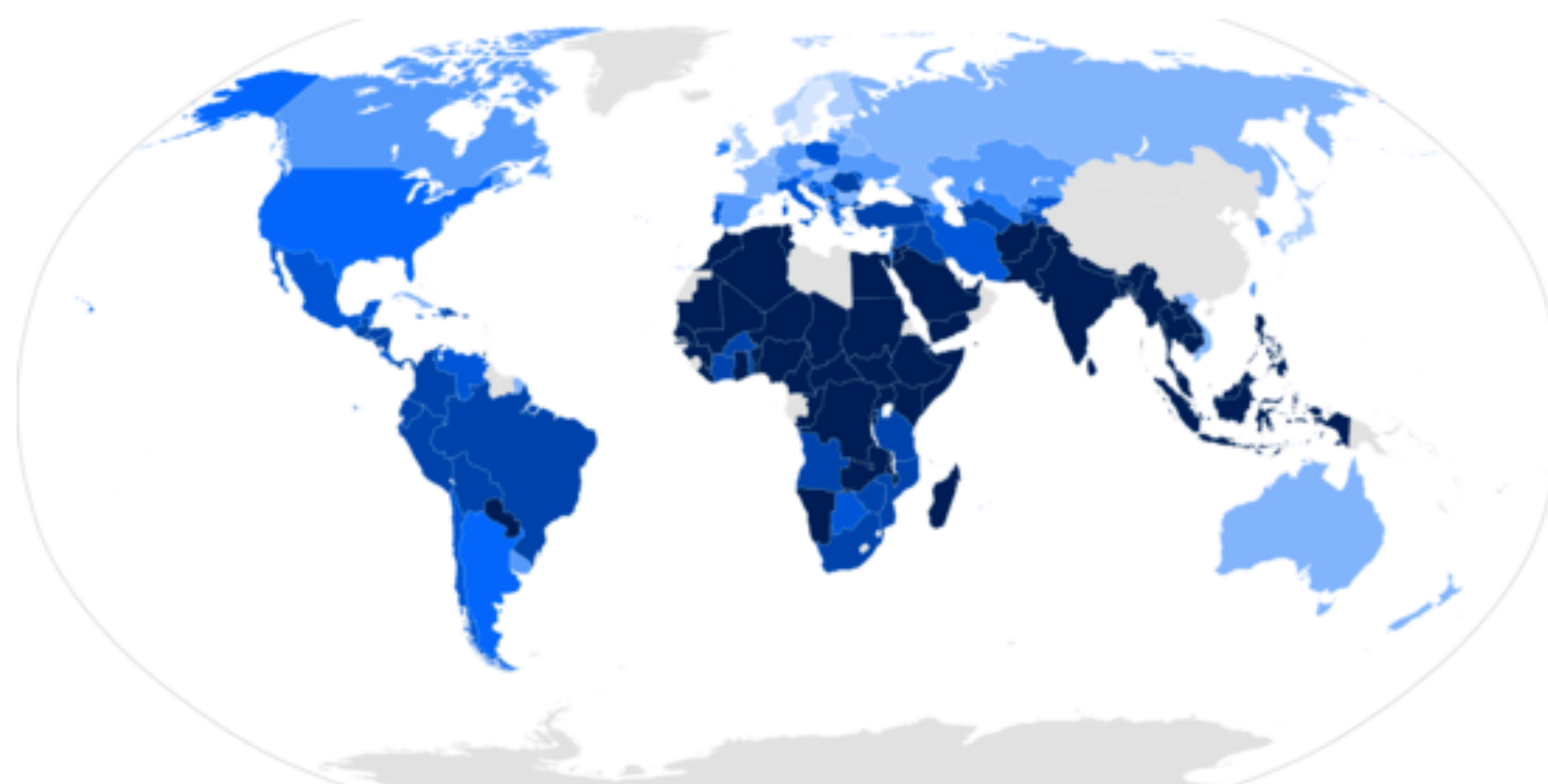
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## Study Objective

To examine the correlation between secularization and women who obtain prenatal health services to determine the link between maternal mortality rates and religion.

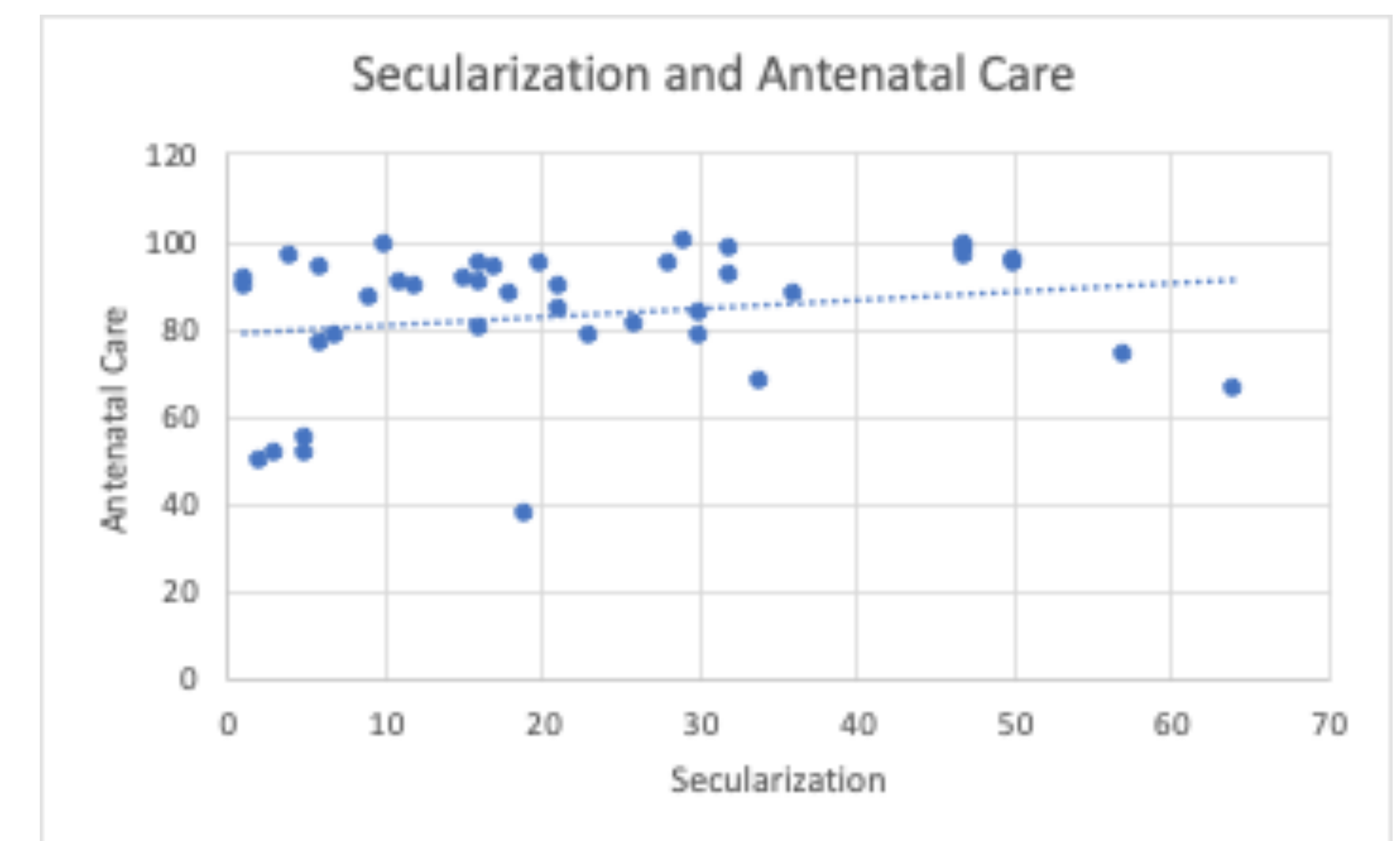
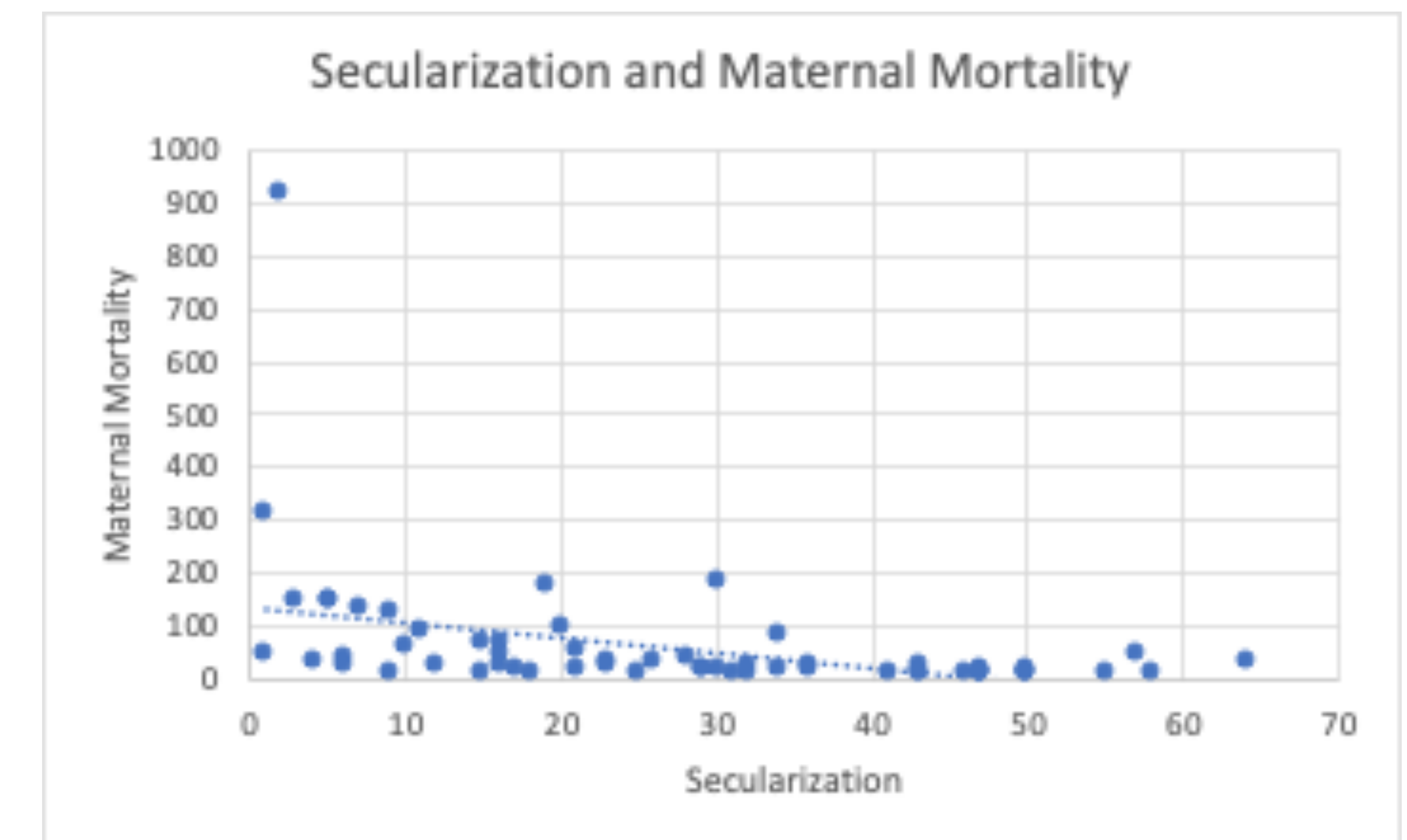
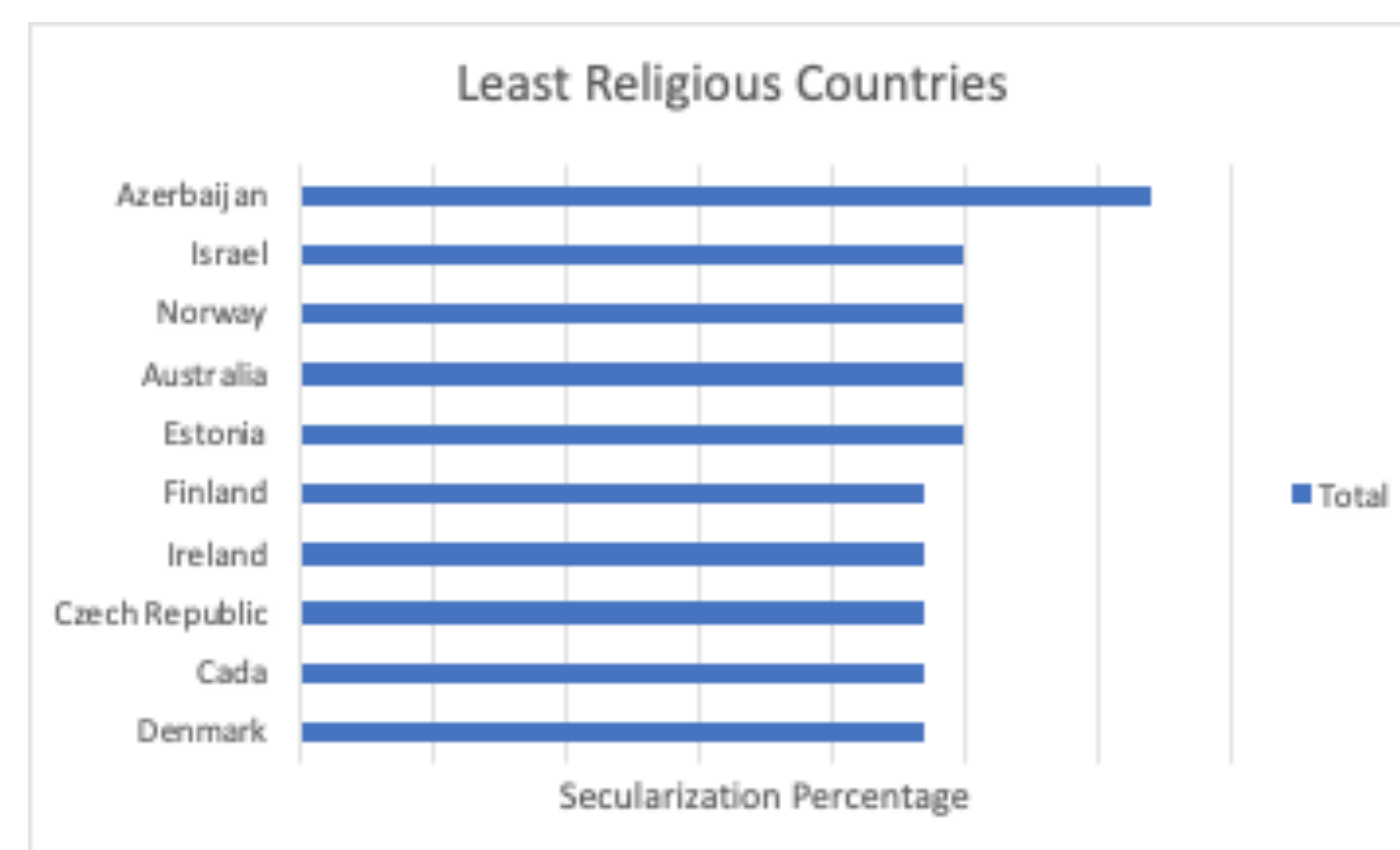
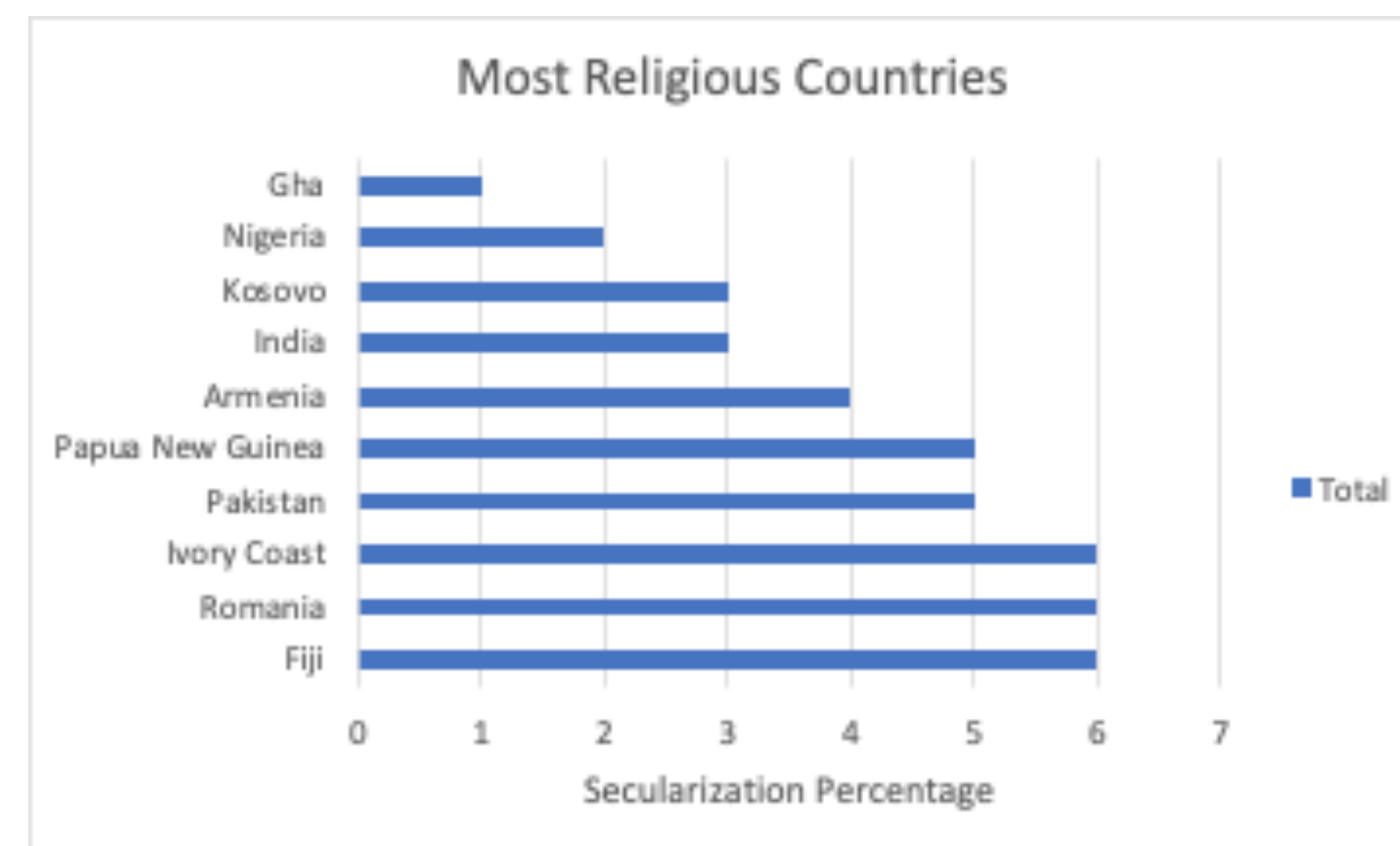
## Methods

- Used pre-existing datasets to conduct a cross-sectional study
- Datasets were focused on or near the year 2017, but ranged as early as 1999-2018
- Total of 69 countries
- Several countries met the criteria for all three study points: prenatal care access, maternal mortality rates, and religion/irreligion practice percentages in those countries.
- Quantitative correlation between the variables to depict if there is a notable association related to secularization affecting women's desire to seek prenatal care and if the desire to access or not access antenatal care due to secularization affected maternal mortality rates.



## Results

- Correlation between secularization and maternal mortality is -0.39
- Correlation between secularization and antenatal care is 0.22
- Means and Standard Deviations:
  - For maternal mortality is 56.5 per 100,000 live births/ SD=126.31
  - 83.15 percent of mothers receive at least four visits for antenatal care/ SD=15.43
  - 26.57 percent are surveyed to be irreligious/ SD=17.15



## Conclusions and Policy Implementation

- The less secularized the country, the more antenatal care is utilized, which leads to higher the maternal mortality rates.
- This prompts the need for a policy execution on a national level focusing on countries with the highest maternal mortality rates.
- Policy will promote an exponential increase in education promotion targeted towards secular women who choose to go without prenatal care.

## References

1. GHO | By category | Antenatal care coverage - Data by country. (n.d.). Retrieved from <https://apps.who.int/gho/data/node.main.ANTENATALCARECOVERAGE4?lang=en> List of countries by irreligion. (2020). In Wikipedia. [https://en.wikipedia.org/w/index.php?title=List\\_of\\_countries\\_by\\_irreligion&qid=943361315](https://en.wikipedia.org/w/index.php?title=List_of_countries_by_irreligion&qid=943361315)
2. "Importance of Religion by Country." Wikipedia, Wikimedia Foundation, 21 May 2020, en.wikipedia.org/wiki/Importance\_of\_religion\_by\_country.
3. Maternal mortality ratio (modeled estimate, per 100,000 live births) - Finland, Venezuela, RB. (n.d.). Retrieved from [https://data.worldbank.org/indicator/SH.STA.MM.RT?locations=FLVE&year\\_high\\_desc=false](https://data.worldbank.org/indicator/SH.STA.MM.RT?locations=FLVE&year_high_desc=false)
4. Max Rosen and Hannah Ritchie (2020). "Maternal Mortality". Published online at OurWorldinData.org. Retrieved from: <https://ourworldindata.org/maternal-mortality>
5. "Wayback Machine." (PDF). 14 November 2017. Archived from the original (PDF) on 14 November 2017. Retrieved 5 March 2020.