Impact of Internet on Women's Health

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Our Hypothesis

➔ Does Internet penetration have an impact on women's health?

Operational Definition Of Women's Health

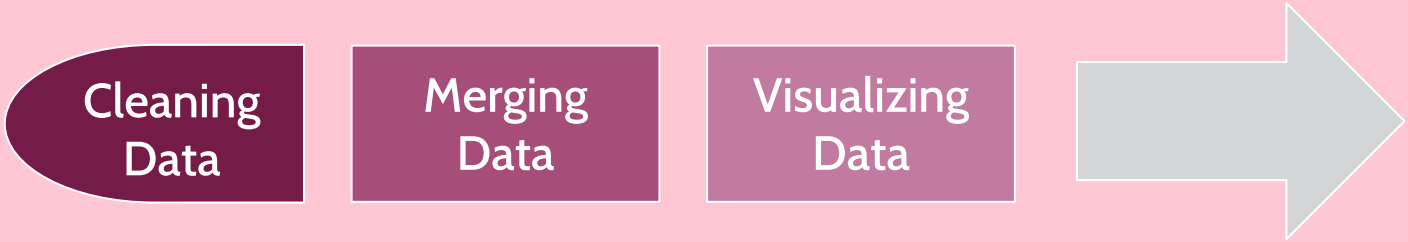
➔ Adolescent Fertility

➔ Maternal Mortality Rates

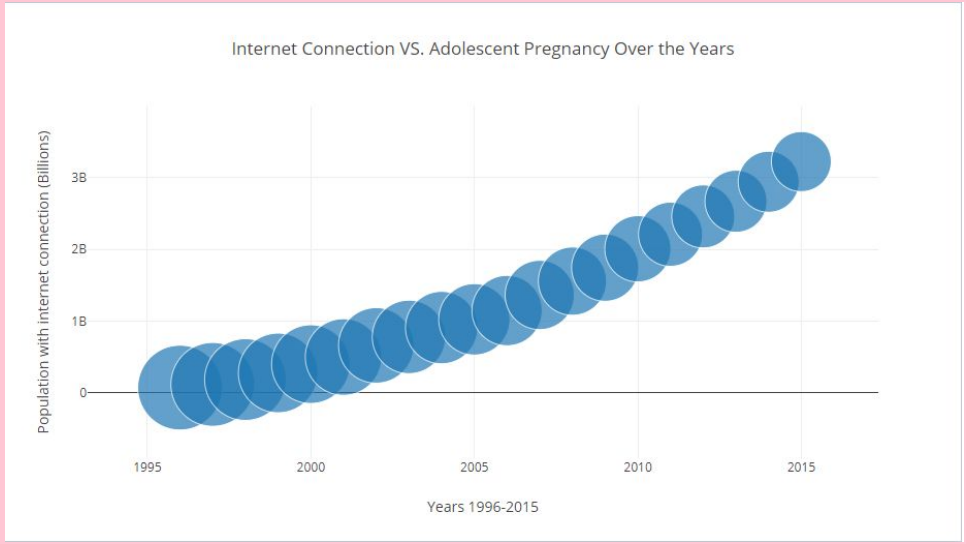
➔ Communicable Diseases

➔ Non-Communicable Diseases

Our Process For Evaluating Data

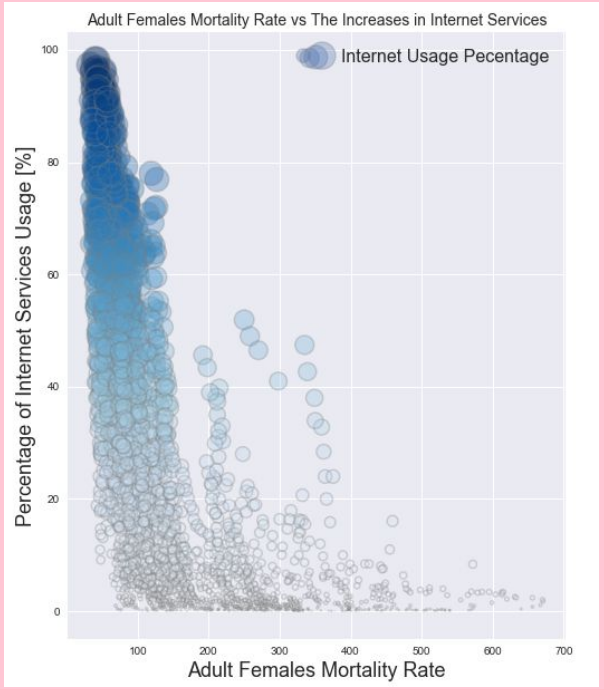


Adolescent Fertility



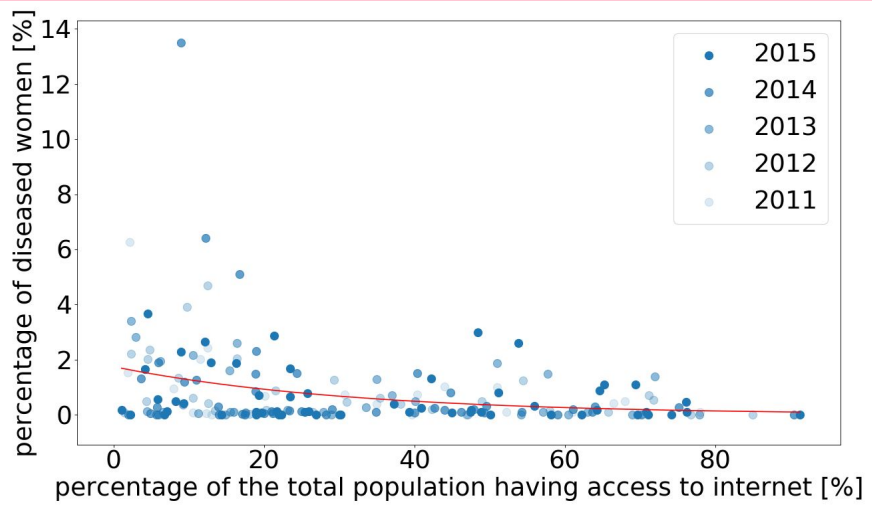
- Growth of world's population with internet access as a function of time
- Size of a bubble represents the number of adolescence pregnancies with a scale of 0.02
- With increasing internet usage, the number of pregnancies drops

Maternal Mortality Rate

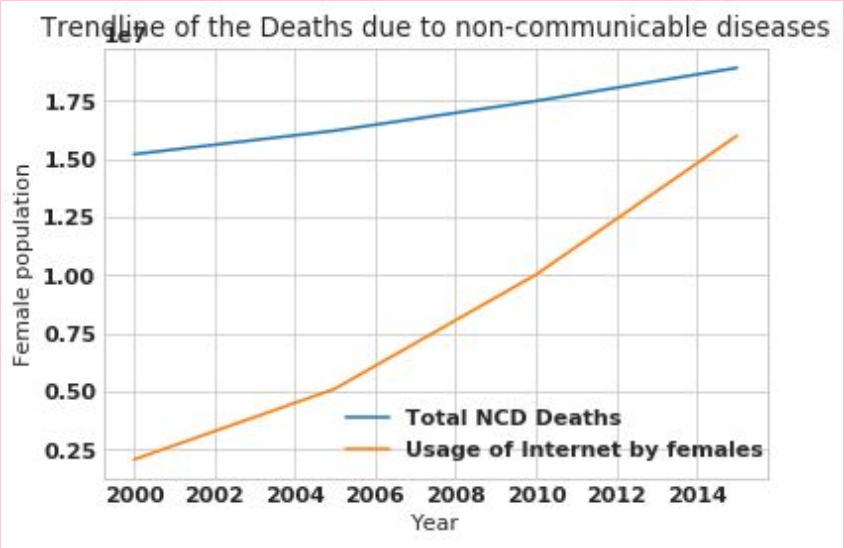


- Percentage of women with internet access as a function of adult female mortality rate
- High internet access is correlated with a low mortality rate

Communicable Diseases vs. Non-Communicable Diseases



- Percentage of diseased women with a communicable disease (here syphilis) as a function of internet access
- Each point belongs to a single country
- With increasing internet access the diseases are *decreasing*



- NCDs: Cardiovascular disease, Cancer, Diabetes and Chronic Respiratory Disease
- An increase in the usage of internet correlates with an *increase* in the non communicable diseases

Conclusions

An *increase in internet penetration* correlates with:

- A decrease in the number of pregnancies
- A decrease in the maternal mortality rate
- A decrease in communicable diseases
- An increase in the *non*-communicable diseases

Possible explanations*

Higher living standards & easier access to information

→ **More sedentary lifestyle**

* Inclusion of possible explanations as

Correlation does not prove causation

Worldwide Women Programmers

LISA WEISS - Germany

SAMEEKSHA MAHAJAN - India

SANSKRITI BAJAJ - India

GABRIELA URQUIETA - Bolivia

MARWA ALLAM - Egypt

References

➔ **Datasets:**

- Internet penetration: https://ourworldindata.org/internet, accessed 05/08/18
- Communicable Diseases: http://apps.who.int/gho/data/node.main.A1357STI?lang=en , accessed 05/08/18
- Adult Mortality Rate: http://apps.who.int/gho/data/node.main.11?lang=en, accessed 05/08/18
- Non Communicable Diseases: http://www.ifrc.org/en/what-we-do/health/diseases/noncommunicable-diseases/, accessed 05/08/18
- Adolescent fertility rate data: https://data.worldbank.org/indicator/SP.ADO.TFRT, accessed 05/08/18

➔ **Project Link:**

- https://github.com/MarwaAllam/Worldwide-Women-Programmers

➔ **Image credits:**

- http://www.desktopimages.org/wallpaper/503388/flowers-pink-hands-roses-1920x1440-wallpaper