

Big Data for Reproductive Health (bd4rh)

TEAM ROBOTS: TOOL DEVELOPMENT

Activities

- Developed a **prototype** of the online platform and a **strategy for dissemination** along with key stakeholders.
- Conducted a **scoping review** of literature at the intersection of big data and contraceptive use.
- Employed two big data methods to contraceptive calendar data from the Demographic and Health Survey (DHS): **neural networks** and **unsupervised machine learning** (k-means clustering).

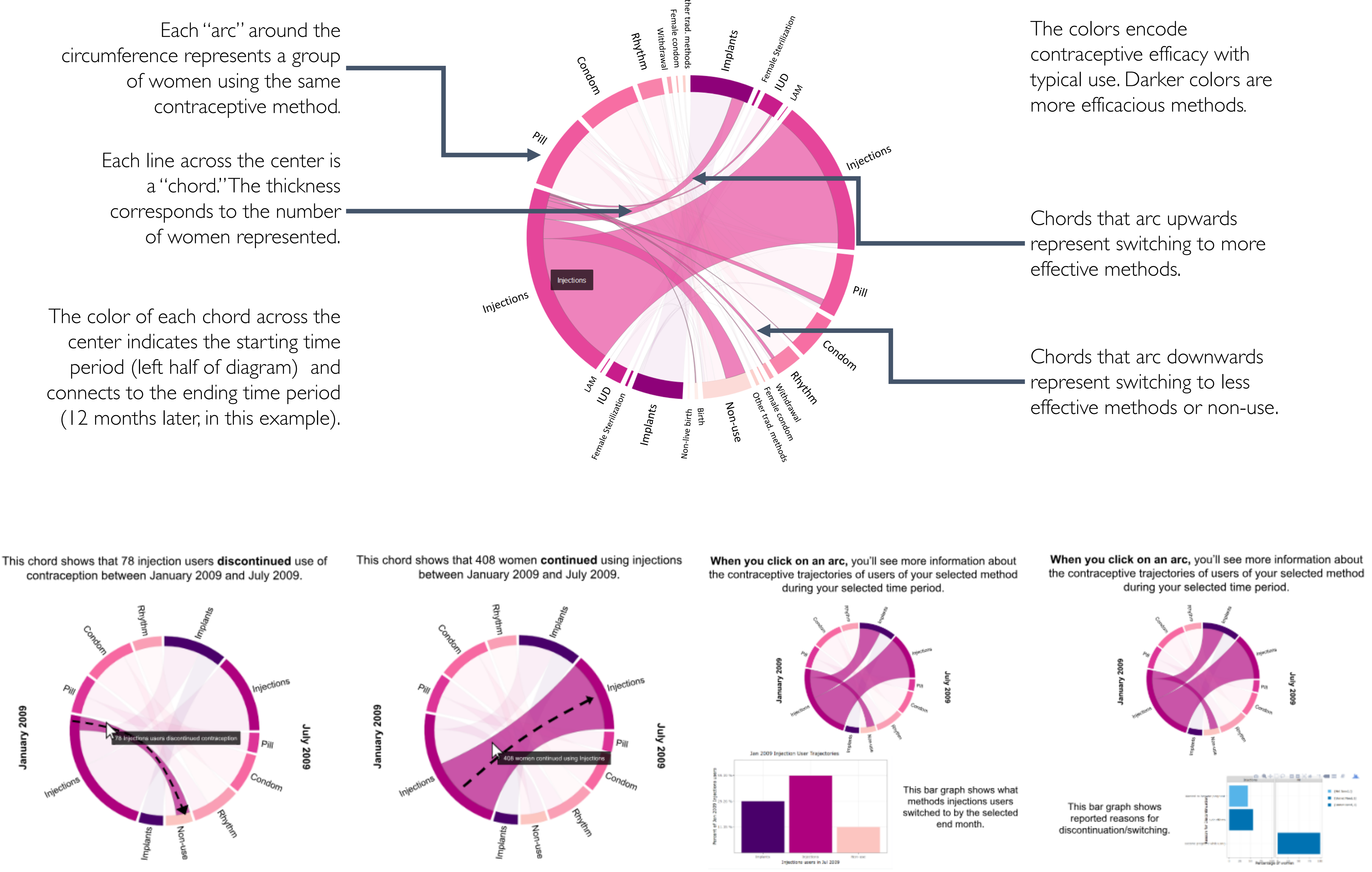
Moving Forward

- Make the tool **faster and more user friendly**
- Data+** team in Summer 2019 will design a user-interface for the machine learning models

1 in 3 women in low-income countries **quit using** modern methods of **contraception** to avoid pregnancy within the first year of use. Existing data is not easy to analyze, and visualizations are scarce.

Our Bass team aims to change that.

“See the Switch” shows contraceptive data from the Demographic and Health Surveys (DHS) as a trajectory.



TEAM LARCS: STAKEHOLDER ENGAGEMENT

Activities

- Communicated **with local and international stakeholders** to develop the tool
- Developed presentation materials
- Managed website content

WASHINGTON D.C. MEETING

- Presented our tool** and gained critical feedback from the **developers and facilitators of the DHS program**

TRIANGLE-AREA MEETINGS

- Will meet with **local stakeholders** to discuss how our tool can **better serve advocates and researchers**

Moving Forward

- Continue to meet with local and global stakeholders** to see how our tool can best serve them