Women in Statistics: Past, Present, and Future

International Women’s Day
March 8, 2019

Women in Statistics and Data Science
Young Statistician Section & History Section RSS

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widsconference.org

How is WiDS supporting the Women in the field? Movement towards inspiring and educating data scientists worldwide regardless of gender with a passion to support women in data science

WiDS: Main conference, a datathon, regional events, and a podcast
The WiDS Conference aims to inspire and educate data scientists worldwide, regardless of gender, and support women in the field.

**150+ EVENTS, 125+ CITIES, 50+ COUNTRIES, 1 MISSION**
Turing WiDS

250+ people, 30+ universities, 90+ organizations

Collaboration with other societies
Data Science: Depth and Diversity

Core disciplines
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Data Science: Depth and Diversity

Core disciplines Statistics, Mathematics, Computer Science, Social Science, Software Engineering and many other disciplines connects and contributes as well Economics, Engineering, and Physics, ...
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- Health care (personalized medicine, mental health)
- Tech Industry
Data Science: Depth and Diversity

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- ethics, privacy, fairness,
Data Science Ecosystem

Data Science is a very broad term
A typical data science job (Data Analyst/Data scientist) steps

- **Collection** (Instruments, sensors, imaging, user generated content)
- **Storage** (databases, data structures, architecture, warehouses)
- **Wrangling/Engineering** (preparation, cleaning, transformation, data mining, exploratory analysis, visualization, anomaly detection, imputation, feature extraction)
- **Learning** (product/aim, training models, algorithms, cross validation, predication/recommendations, pipeline creations, story telling)
- **Research** (Research Scientist)
Is it a new discipline?

- Does it start with data?
- Does it start with problem?

Create Impact
Find what interests you
Add your personal value
Push your boundaries