WELCOME TO CODERGIRL!

WINTER 2019 DATA SCIENCE COHORT

MEET YOUR MENTORS

- Diverse group of Data Scientists at Bayer Crop Science!

Sami Cheong

Chris Schlosberg

Reza Madankan

Rebecca Lowdon

CLASS TOOLS

Slack

- Workspace: codergirlwinter2019.slack.com
- Channel: #data-science

Canvas

- Submission for:
  - CoderGirl Attendance
  - Homework
  - In-Class assignment

Github

- Central repository for in class assignments, homeworks
  - https://github.com/LaunchCoderGirlSTL/Data-Science-Assignments

Online Learning

- Python - HackerRank
- Machine Learning - Google ML Crash Course
- Applied Machine Learning - Kaggle

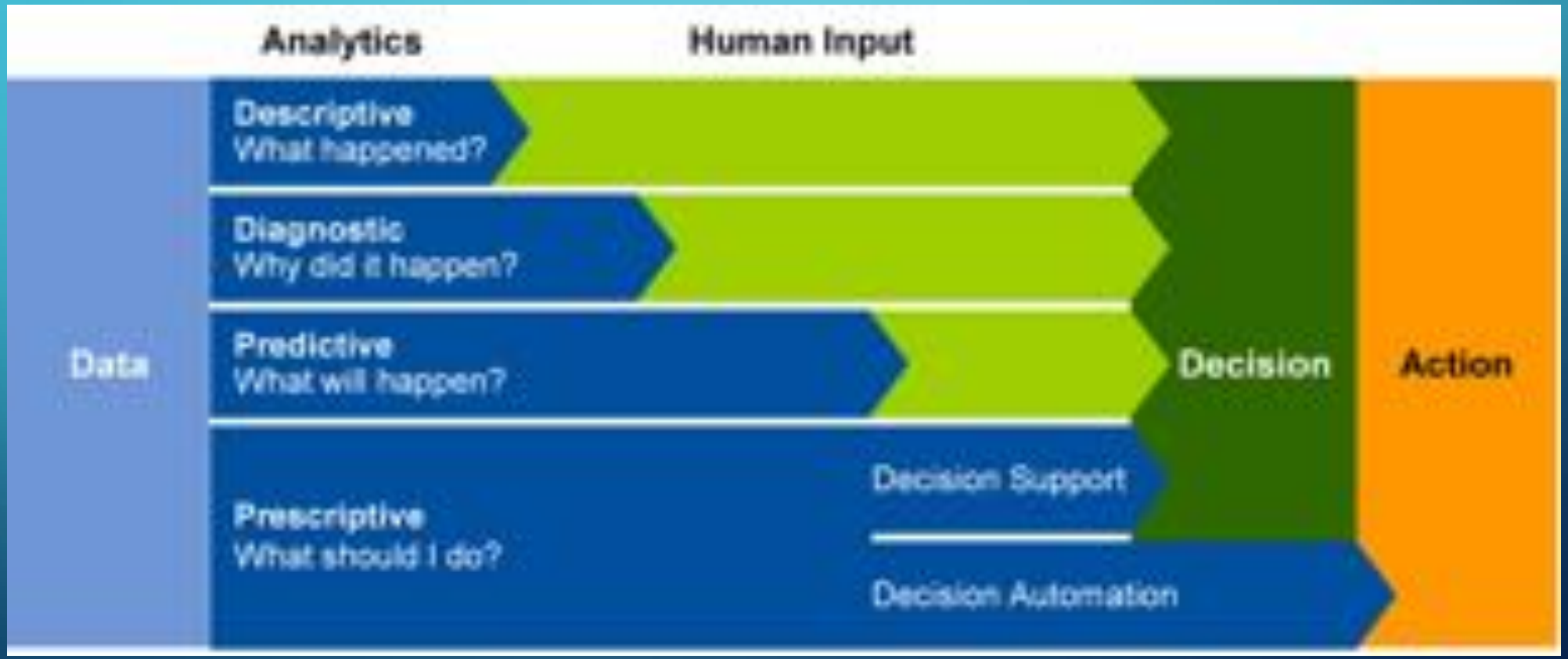
CLASS STRUCTURE

Every Wednesday 6-8pm	
Self Attendance Check In	Canvas submission
In Class Activity	Due Fridays 8pm
Homework	Due Wednesdays 6pm

CLASS EXPECTATIONS

- Attendance
- Effort outside of class (~10 hours/week)
- Keep up with the class pace
- If you fall behind, it's your responsibility to catch up in a timely manner
- Participation – Share ideas and experiences
  - In Class
  - On Slack
- There are no stupid questions
  - Ask. Someone else probably wants to know too!
- Community
  - **We strongly encourage study groups outside class!**
  - Respect for others and an encouraging learning environment

WHAT IS DATA SCIENCE?



WHO IS A DATA SCIENTIST?

DESIGNING A DATA SCIENCE CAREER

Traits:

- Constant Pursuit of Learning
- Insatiable Curiosity
- Ability to Prioritize
- Impact Drive Mindset
- Practical
- Healthy Skepticism

Competencies:

- Business Acumen
- Business Analysis
- Problem Solving
- Storytelling
- Business Communication
- Project Management

SYLLABUS

Programming in Python (8 weeks)

- Python
- Pandas
- Statistics

Machine Learning (13 weeks)

- Loss Functions
- Overfitting/Underfitting
- Supervised/Unsupervised Learning

Applications in Machine Learning (3 weeks)

- Your 1st Data Science Project!

INTRODUCTIONS!

Suggestions:

- Name
- Background – School or work
- Where in STL do you call home?
- Family? Fur Family?
- What do you do now?
- Why Data Science?
- What are your goals completing this program?