Two projects
MQP: Large Scale Data Analytics for WPI Career Development Center

- For the **second** time, the WPI Career Development Center (CDC) has the opportunity to process a large amount of data as it relates to Outcomes of WPI students, specifically using past WPI classes.

- This is a fantastic opportunity for our own students to work with large data sets and provide very useful analytics to the university.

http://www.wpi.edu/news/perspectives/students-high-demand.html
MQP: Large Scale Data Analytics for WPI Career Development Center

• Project components include:
  • Prepping and merging the data, and then run analytics to determine many WPI-related stories to share by degree, by demographics, by major, by global projects, and by a student’s path from first-year through graduation.
  • Other data sets could be merged into this study, and they could potentially include IGSD global-projects data and student-activities related data around leadership, club membership, and Greek life activity.
  • The goal is to provide information would be valuable for the CDC and for the university at-large. There could also be specific tie-ins to the strategic planning initiatives such as more-in-four, Major & a Mission, PhD plan, Online Competency, Global Projects, and possibly others.
MQP: Large Scale Data Analytics for WPI Career Development Center

• Appropriate background
  • Linear Algebra (MA2071 or equivalent).
  • Applied Statistics II (MA2612 or equivalent).
  • The ability to write computer programs in a scientific language (e.g., Python or R) is assumed.
MQP: Large Scale Data Analytics for Cyber Defense
MQP: Large Scale Data Analytics for Cyber Defense

• More “customizable” projects
• Appropriate background
  • Linear Algebra (MA2071 or equivalent).
  • Applied Statistics II (MA2612 or equivalent).
  • The ability to write computer programs in Python is assumed.
  • Knowledge of computer networks and/or computer security