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COSC 481 - Data Science

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Data Science for Good Proposal

Our team decided to attempt a 'Data Science for Good' challenge posted on Kaggle.com for a website called CareerVillage.com, a forum site designed to help students get their career questions answered by real life professionals.

The problem statement of the challenge begins: "The U.S. has almost 500 students for every guidance counselor. Underserved youth lack the network to find their career role models, making CareerVillage.org the only option for millions of young people in America and around the globe with nowhere else to turn." CareerVillage is a place where students who may be lacking support from their counselors can get their questions answered. Professionals freely volunteer their time to answer questions, and can choose how frequently they are sent questions via email. The aim of the challenge is to provide a method of matching student questions to the relevant professionals that are most likely to answer them. To aid developers in creating an effective model, CareerVillage has provided and number of spreadsheets with data on questions, answers, students and professionals that may be useful.

This challenge appealed to the team because we consist entirely of college students and understand that choosing a profession with limited information can be difficult.