



**SIAM Meeting on 11/10/20 - Talk by Megan O'Byrne and Kristy Gilpin  
Data Scientists and Statisticians, Allstate Insurance**

- O'Byrne began by introducing her work at Mayo Clinic, where she was a data analyst and statistician for 15 years.
- O'Byrne related her experience performing statistical analyses, working with medical doctors, and contributing to publications in vaccine research, orthopedic surgery, and cardiology.
- Gilpin introduced herself and explained her 16 years of experience at Allstate as a ratemaker and data scientist.
- Gilpin listed the challenges involved in analysing insurance data, including that losses on policies are heavily skewed, deductibles/limits censor data, and a policy's full loss sometimes isn't known for years.
- Gilpin responded to questions involving Allstate's use of data such as race or income in setting rates, explaining that the company does not collect such data.
- O'Byrne and Gilpin iterate skills student most need to succeed in the workplace. Both emphasize teamwork, communication, and strong applied statistic skills.
- Gilpin closes by saying she thinks corporate office space use will decrease in the future, and students should be encouraged to apply for remote positions.

Alex Gisi and Bozenna Pasik-Duncan, Agnieszka Miedlar  
Executive Board of the SIAM KU Student Chapter