Developing a Measure of Safety Data Culture
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Our Project Goal:
- Develop a measure of safety culture that examines the extent to which data is utilized in making safety-related decisions

Background:
- In 2016: Approx. **2.9 million** nonfatal injuries and illnesses and **5,190** workplace fatalities (BLS, 2017)
- Past research: risk prevention (Wang & Abdel-Aty, 2017) and safety climate (Pronovost et al., 2003)
- Behavior Based Safety (Barends, Rousseau, & Briner, 2014)
- Safety data culture
- An organization’s safety culture can influence the rate of injuries in an organization

Methods:
- Conduct a literature review of relevant academic journals
- Use this information to develop potential safety data culture measures
- Understand organizational metrics on data use pertaining to safety management decisions
- Data from an American Fortune 500 chemical manufacturing firm
- Test construct and criterion-related validity of the items created

Benefit of this Research:
- Understanding organizational efforts to improve safety contributes to worker wellbeing and return on investment