**Statistical Inferences on the Prevalence and Cause of On-Site Construction-Related Injuries**

**Fatalities**

US Dept Labour 2017 Detailed Report

* Vehicular contact with a person (23)
* Object or equipment contact with a person (80)
* Falls to a lower level (366)
* Exposure to electricity (71)

US Dept Labour 2011-2017 Report

* The central causes in the 2017 Detailed Report are representative of all the years 2011-2017
* Ladders and roofs are significant factors
* The head and the trunk are the main injury locations

**Injury Claims**

* The greatest claim frequency is Overexertion, followed by Struck-by, and then Falls to a lower level

**Feature Engineering**

* Number of people above ground level
* Number of distinct optical flows
* Number of people
* Locations and depths of people
* Locations and depths of optical flows
* Repetitive Motion – Separate Model -> Overexertion
* Presence of Personal Protective Equipment (PPE)