



Chicago Car Crashes

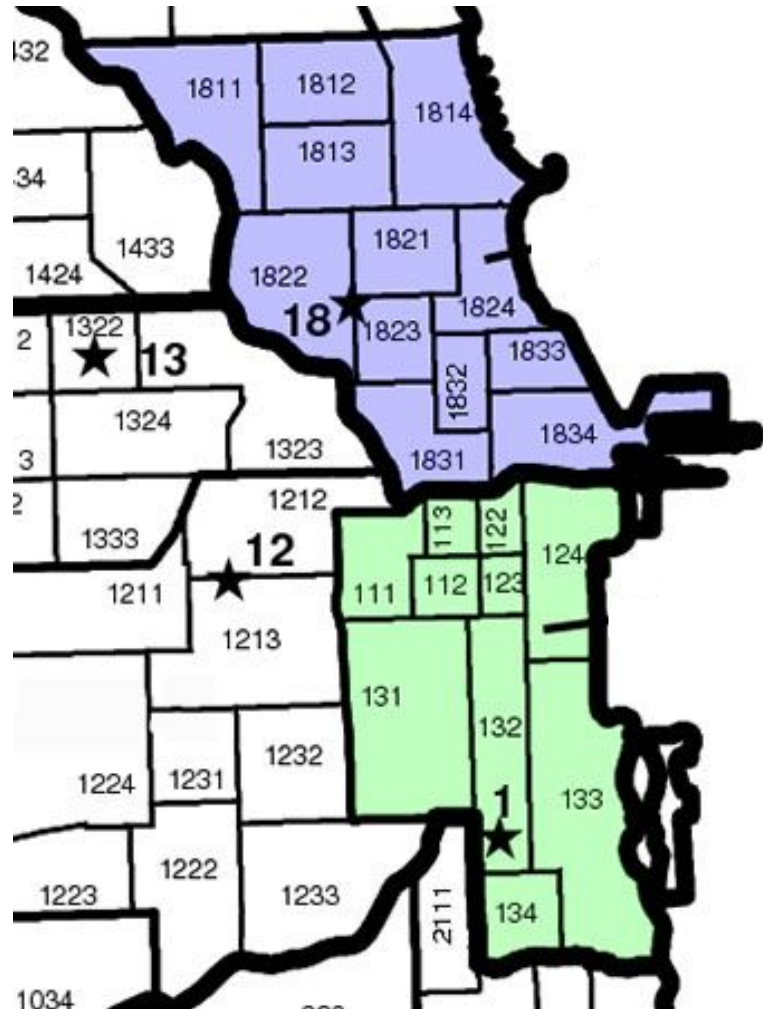


Objective

- Predict whether or not a car crash would result in an injury
 - Can help effectively staff police and EMT for promoting safety

Data

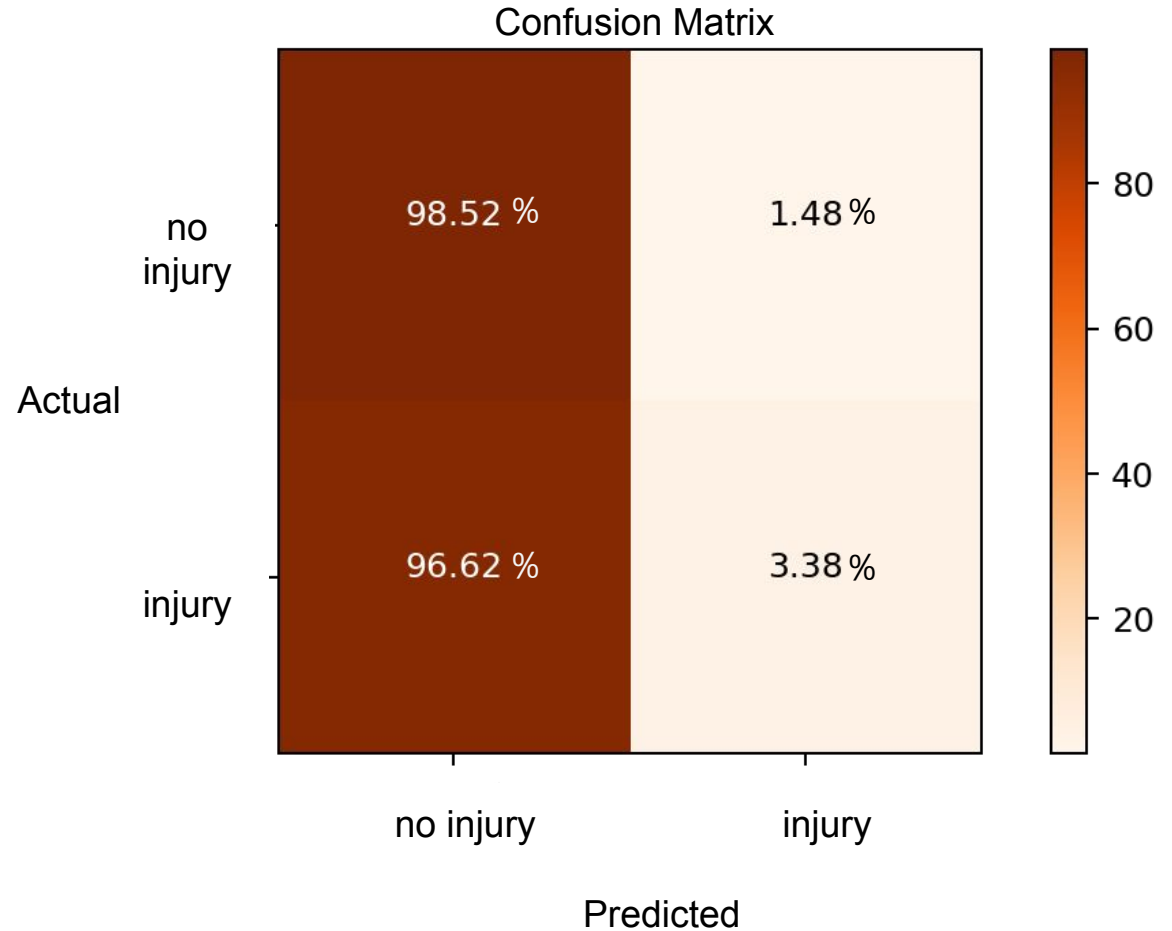
- Traffic Accidents Data (2015-2018)
 - Lighting Condition & Weather Condition
 - Beat level
- Daily Chicago Weather (2015-2018)
 - Wind Speed, Precipitation, Snow, Temperature



Approach



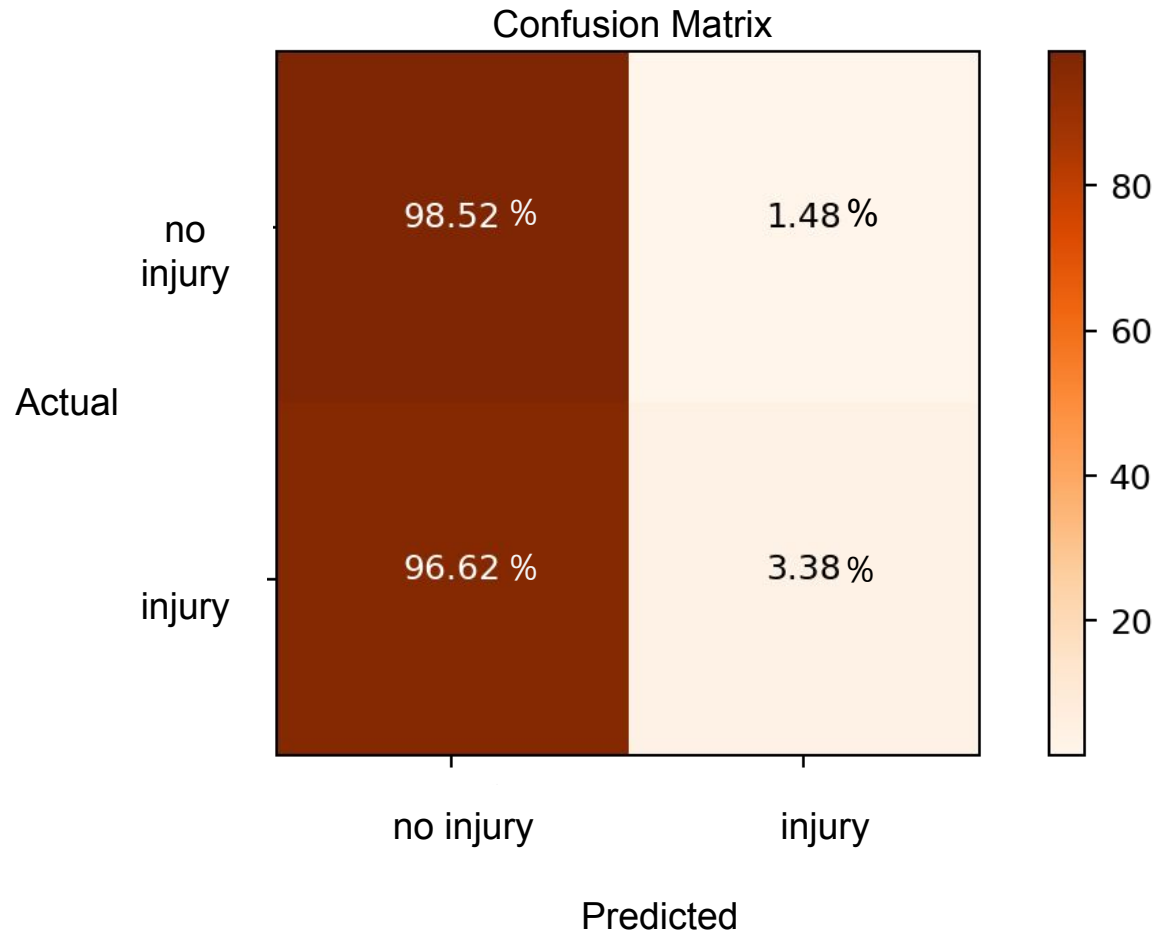
Evaluate Model



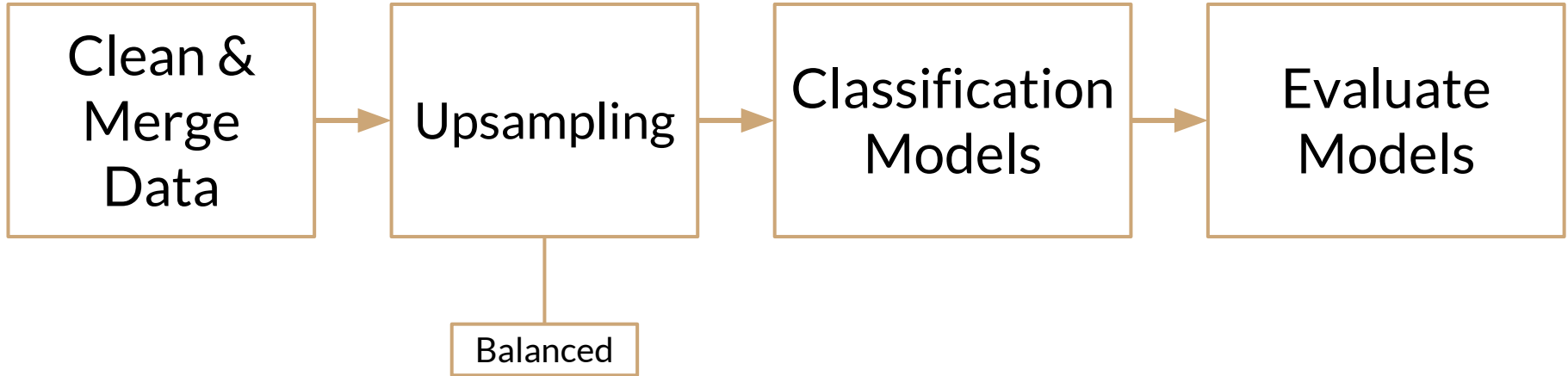
Evaluate Model

No injuries: ~41,000

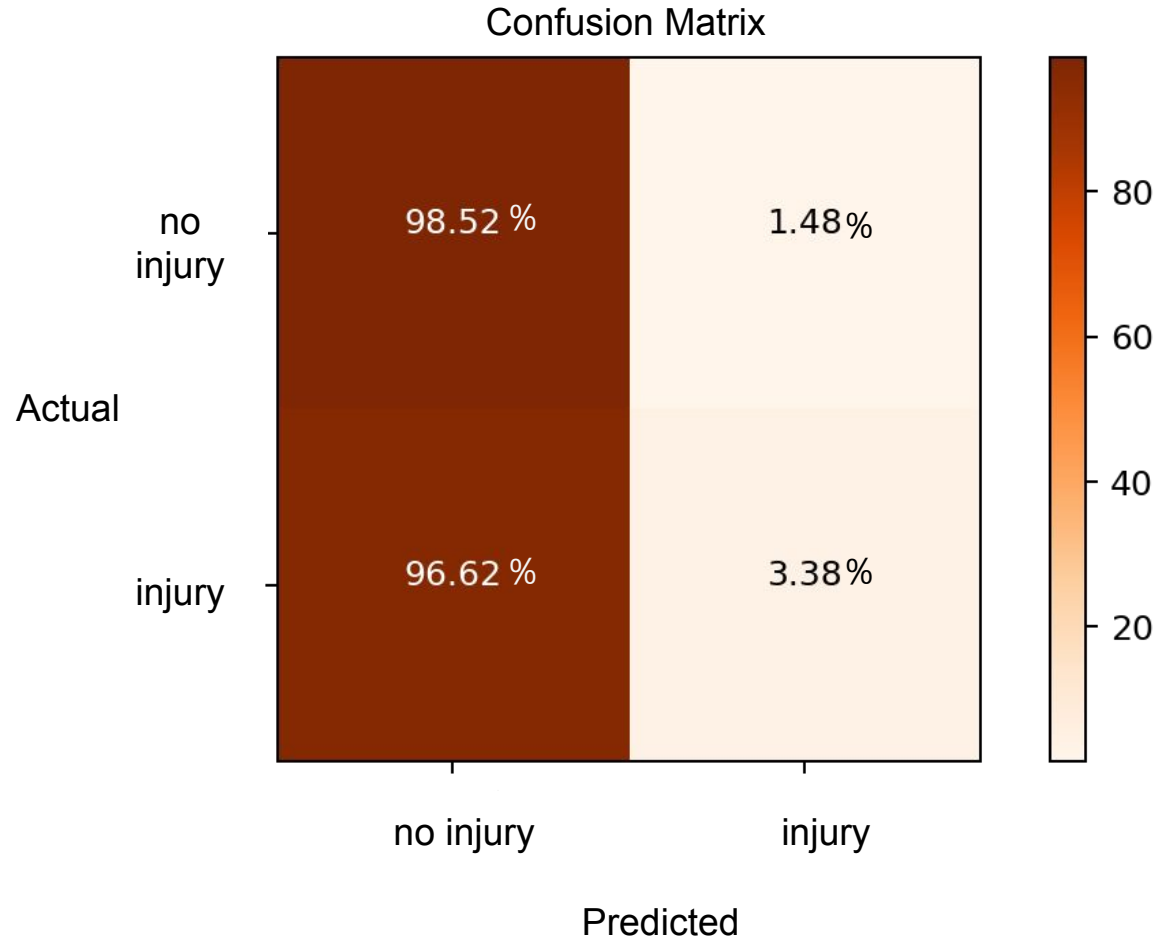
Injuries: ~5,000



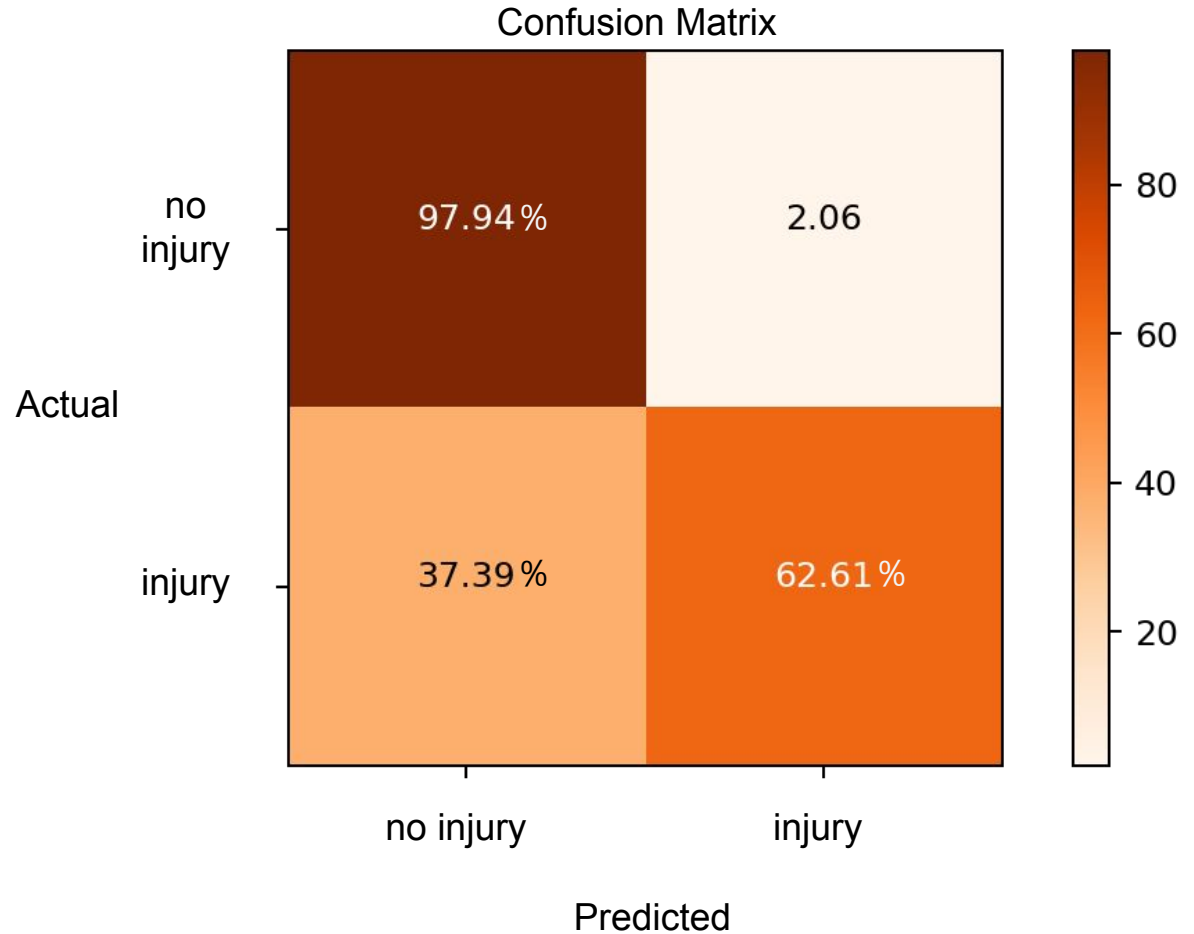
Approach



Evaluate Model



Evaluate Model



Thank You!

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