

Emergency Response Time Modeling with Math and Magic

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A data-driven process for
getting ahead of tragedy

What can data do for you?

Predict seasonality and trends

Identify key features in late response times

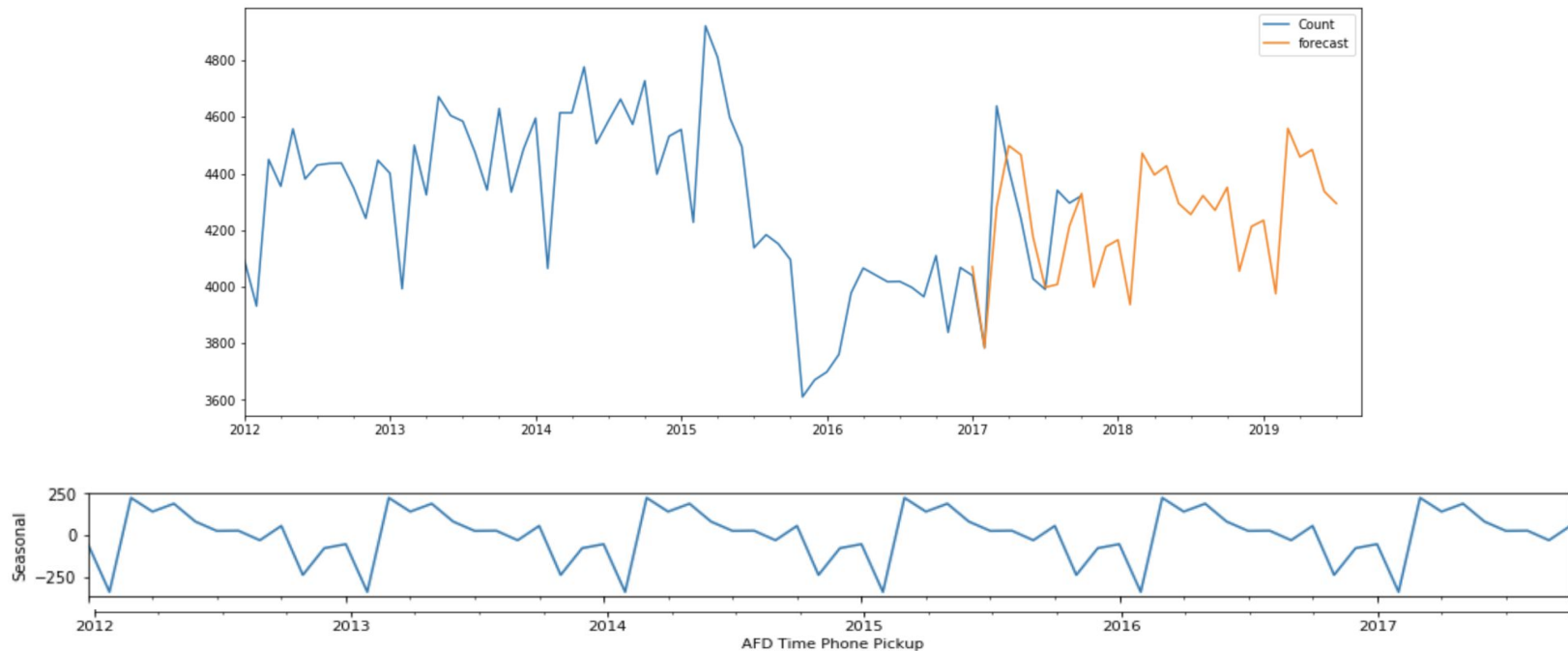
What can data do for you?

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Identify key features in late response times

Predicting Call Volume Times

Overall Call Volume Example



Innovative

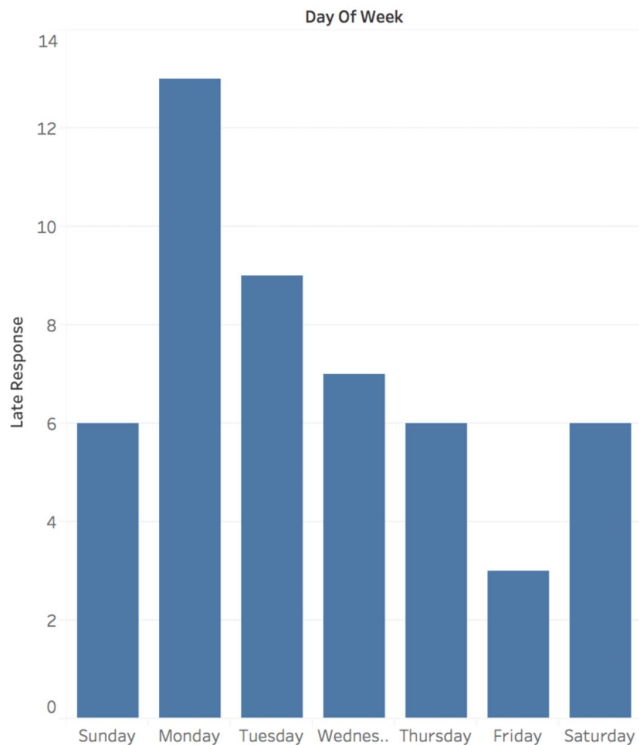
Predictive Mapping

Where is the fire going to be?

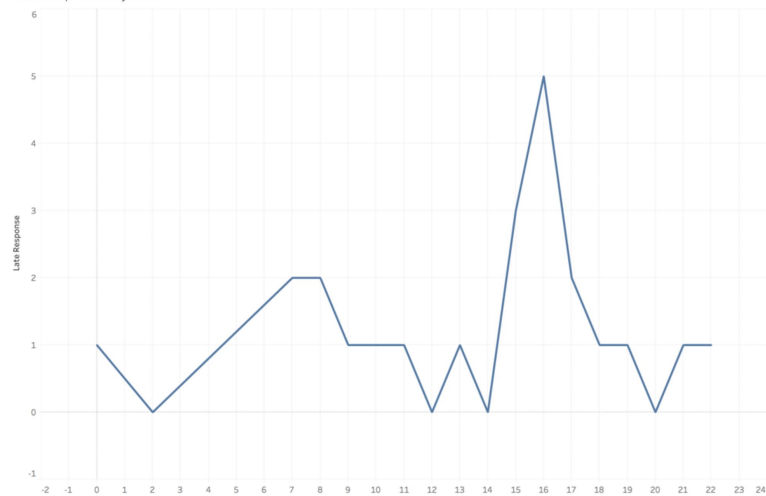
Technically Practical

Insights on Response Times

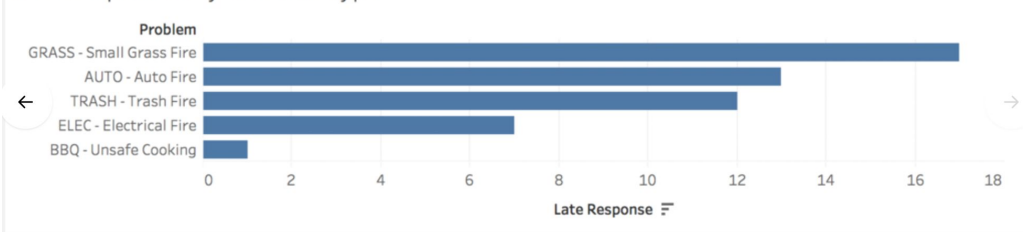
Late Response Events by Day of Week



Late Responses by Hour



Late Responses by Problem Type



Triage Response Areas

Travis Country

Town and Country Park Addition

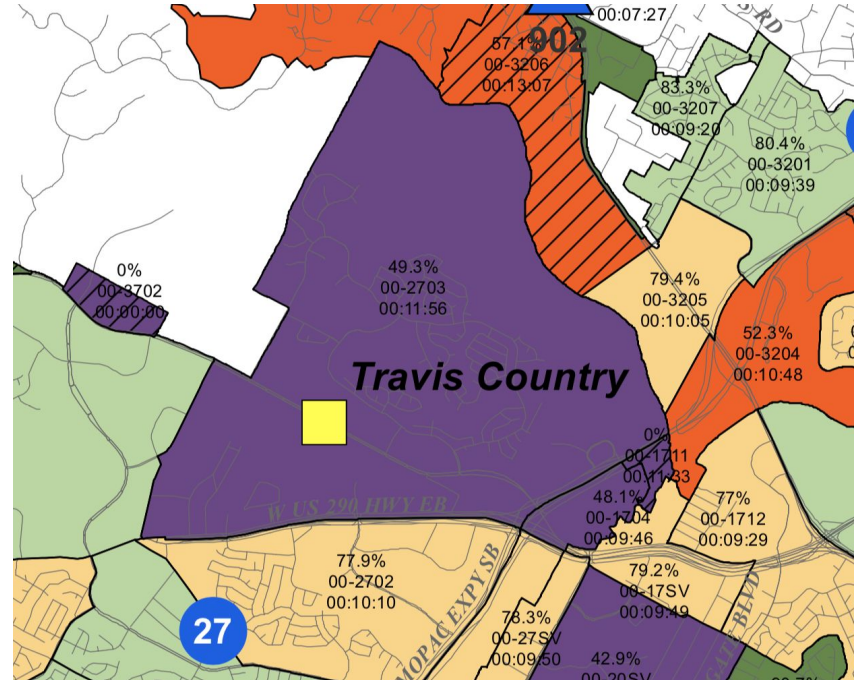
Bergstrom Village

Akin, Oak Park Estates

Moore's Crossing

Davenport Ranch

Jester Estates



Huge Impact

Impact

Other Departments

Reactive -> Proactive

Effective use of resources

Due diligence

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Due diligence

Instead of raising priorities of problems through tragedies, we can help raise priorities through good data analytics.