

SecuriDad: Dashboard risk assessment analysis tool

Summary:

I'd like to introduce you to the SecuriDad dashboard risk assessment tool.

2020 has seen a rapid rise in the utilization of private security companies by Colorado business owners. And while these companies have many methods for assessing needs and risks facing their clients, open data from the state of Colorado could be used to deeply enhance risk assessment.

By drawing on property crime statistics, formatted in a real time easy to use dashboard, security companies could quickly assess if the risks to their personnel or clients are changing, or if the needs of the client would be better served, with either upgraded or down-graded services, depending on the trends indicated by the real time (or near real time) dashboard. By taking this crime data and rendering it on an interactive web map, the user could view heavy concentration of crime counts through dot density mapping provided in a dashboard app and immediately see location specific risk trends for the security industry. This would be enormously helpful to security business decision makers! The SecuriDad Dashboard could further be used by security systems companies, who could utilize it to determine areas that may be experiencing a property crime rise, and therefore would be more interested in purchasing security systems. In this way this idea is scalable, as well as customizable.

The SecuriDad dashboard could truly be a helpful tool to Colorado business decision makers of today!

Summary of Slides from Presentation.

Issues Identified:

- Locate areas or regions within a city that need better security
- Better assess potential risk to security personnel or clients

Potential impact

- Real-time easy to use dashboard.
- Offer quick risk assessment.
- Geographically focused.
- Scalable target marketing to specific businesses.
- Scalable to security systems, policing, or smart-city industries.
- Scalable to other metro areas.

Innovation

- Use of a business analysis tool called operations dashboard by Esri.
- Interactive maps and intuitive widgets.
- Data query for optimum results for decision making.
- Use of near real-time public data for crime analysis.

Data

- Crime data from Denver's Open Data Catalog
 - Near real-time data through web API (updated daily)
 - Historic data ranging from 2015 - Present
- Denver neighborhood data from Colorado Information Marketplace
- Business location data from Colorado Information Marketplace