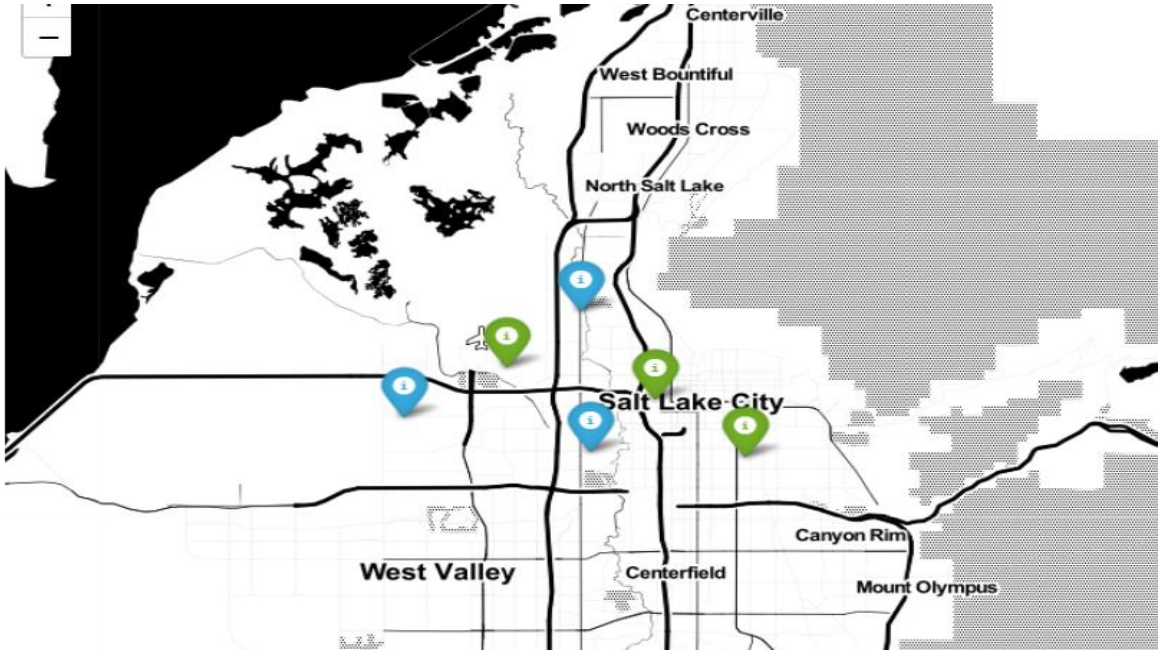
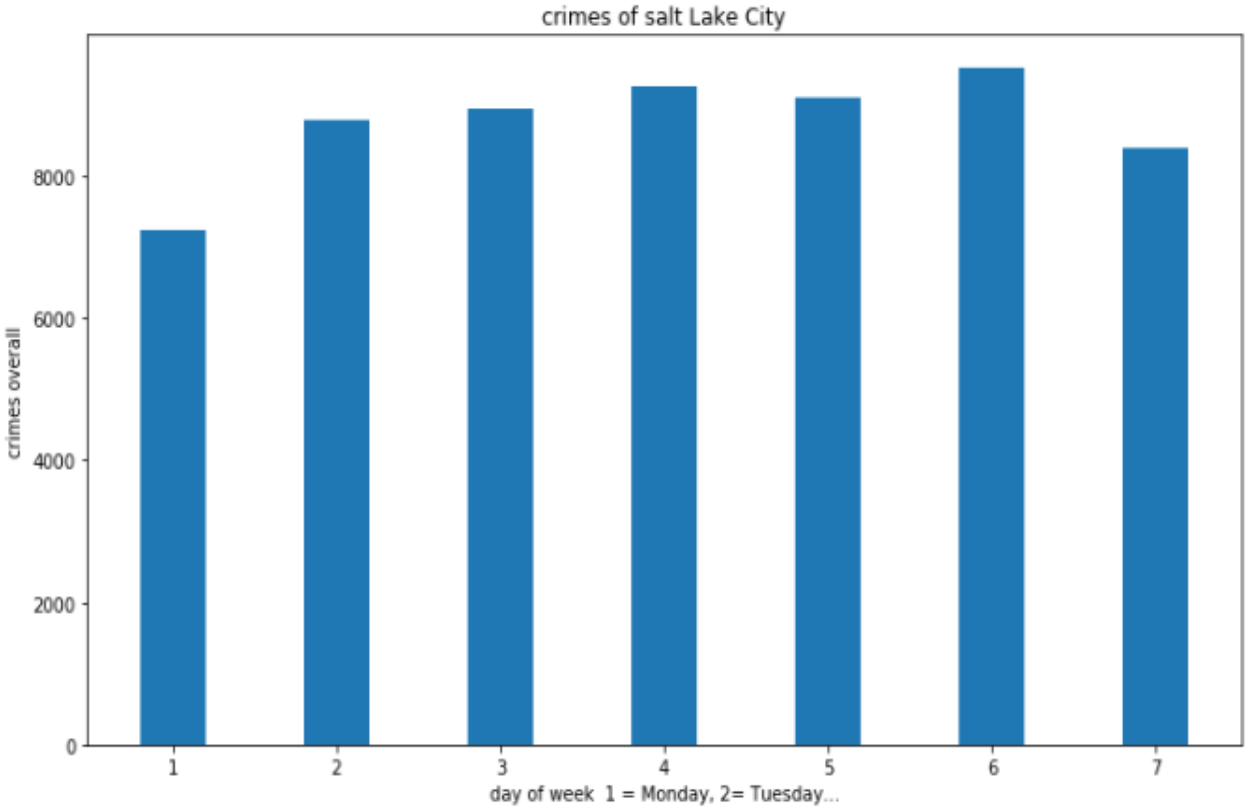
Capstone-Project
Crime in Salt Lake City



Day of week



- Lesser crimes on Monday and Sunday

→but not significant

	df	sum_sq	mean_sq	F	PR(>F)
crime_day	1.0	7.578206	7.578206	1.855421	0.231307
Residual	5.0	20.421794	4.084359	NaN	NaN

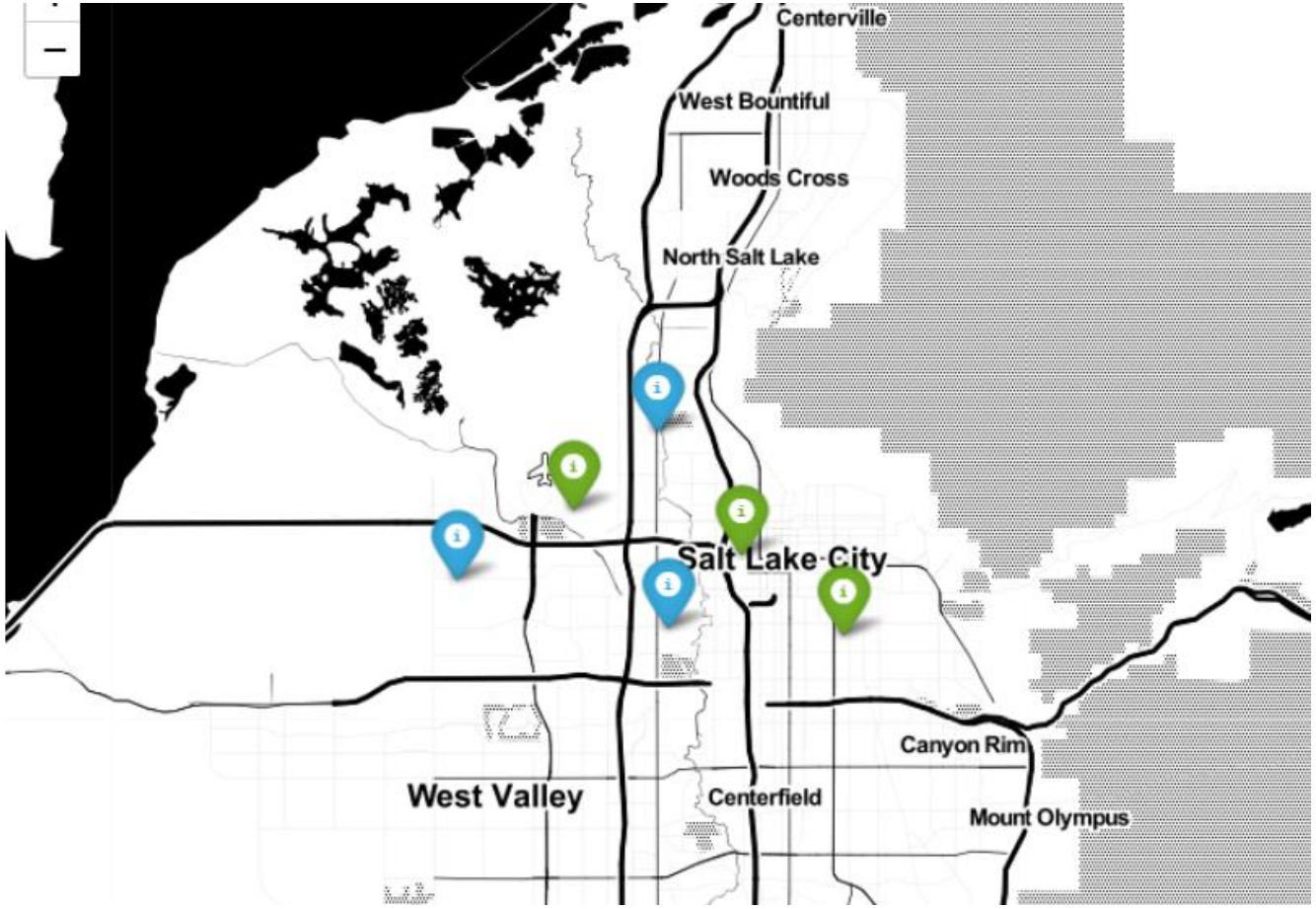
Type of crime

	type	value
7	LARCENY	12478
5	PUBLIC ORDER	8997
9	DRUGS	5282
6	ASSAULT	4383
4	PUBLIC PEACE	4146

- Most frequency type of crime in 2016 is Larcency
- Second most is Public Order

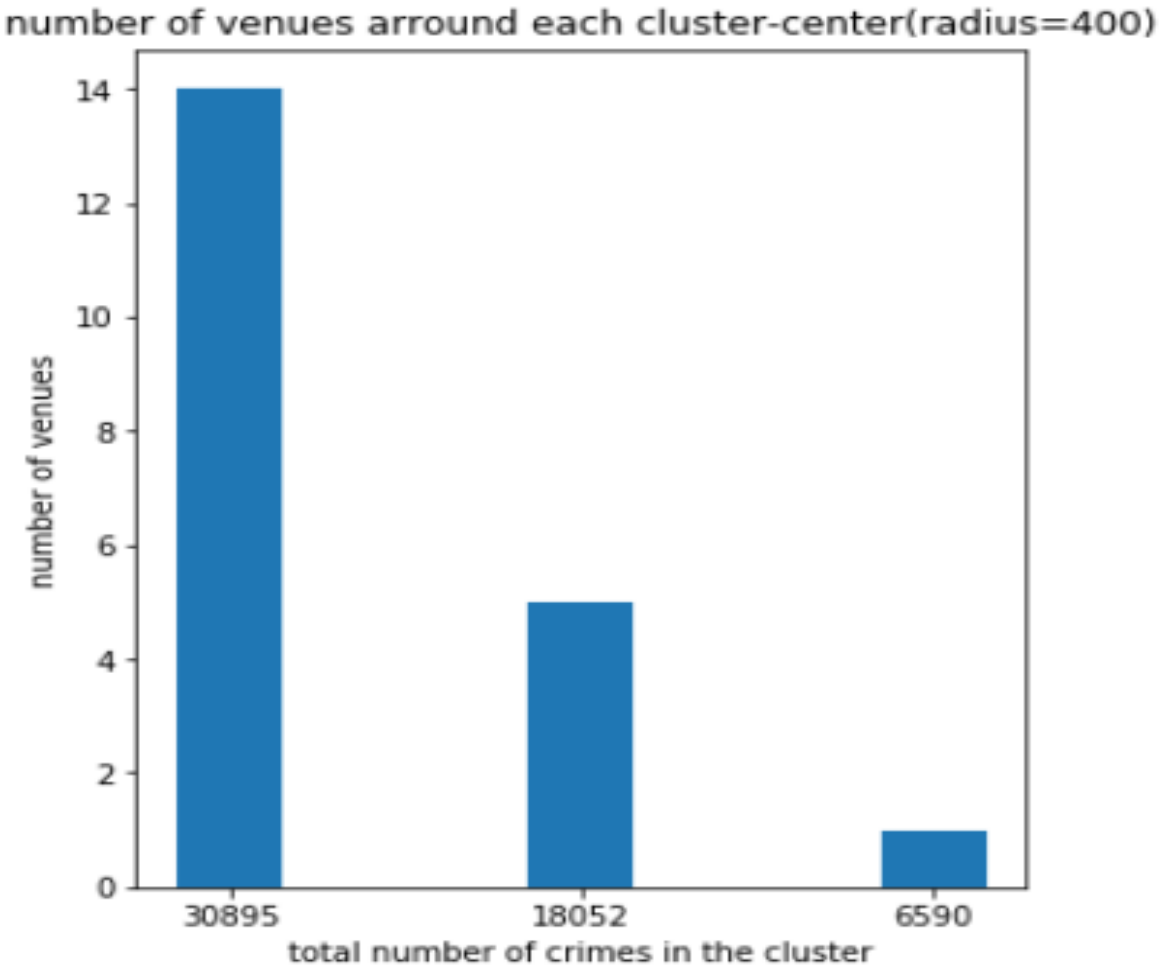
→Total number of crimes: 55579

Location(cluster centers)



- The green marked points represents the hotspots of crimes in Salt Lake City
- The blue marked locations are randomly piked for comparisons

Surounding venues



- The more crimes , the more venues in da radius of 400

→In total 20
→Strong positive correlation

- The random picked location, are only surounded by 6 venues

Conclusion

- Scientific research and machine learning could help to identify hotspots of criminality

→better use of limited resources of the police

→safer environment for everyone!