

Solution 49^x Technical Interview

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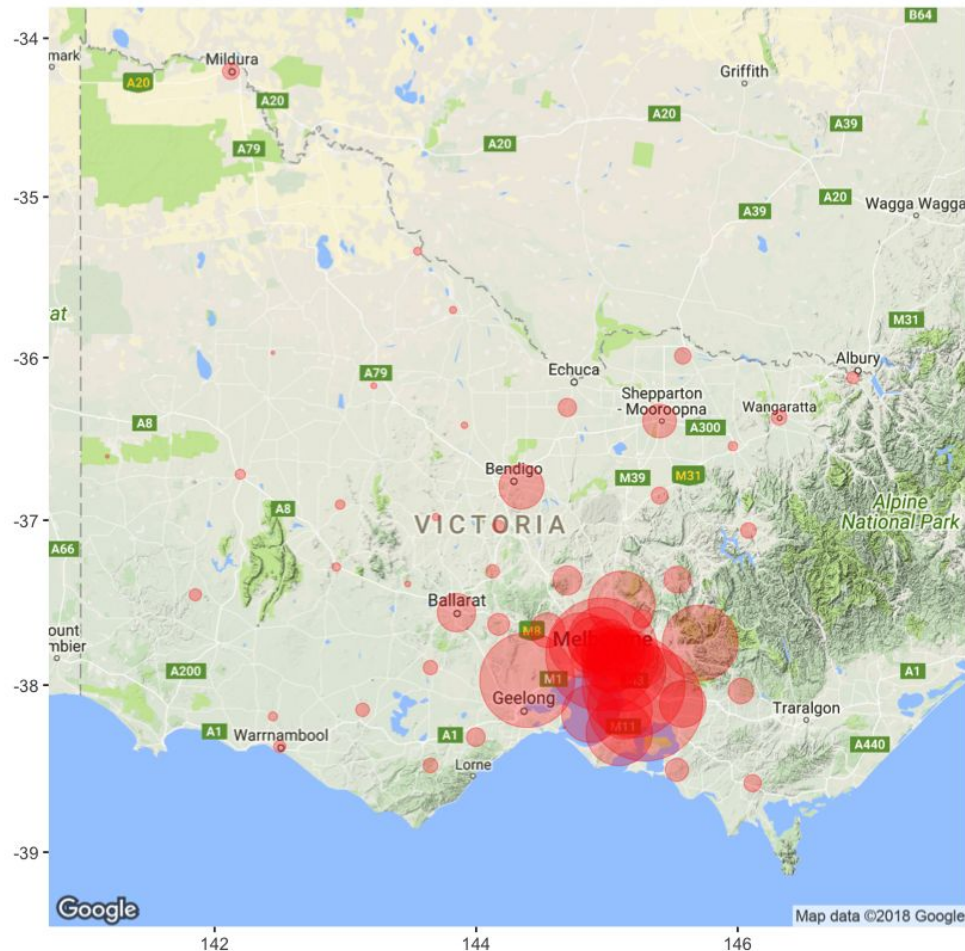
What Data am I Using?

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The number and type of all non-fatal* road accidents across Victoria, based on Local Government Areas.

Where are the accidents happening?

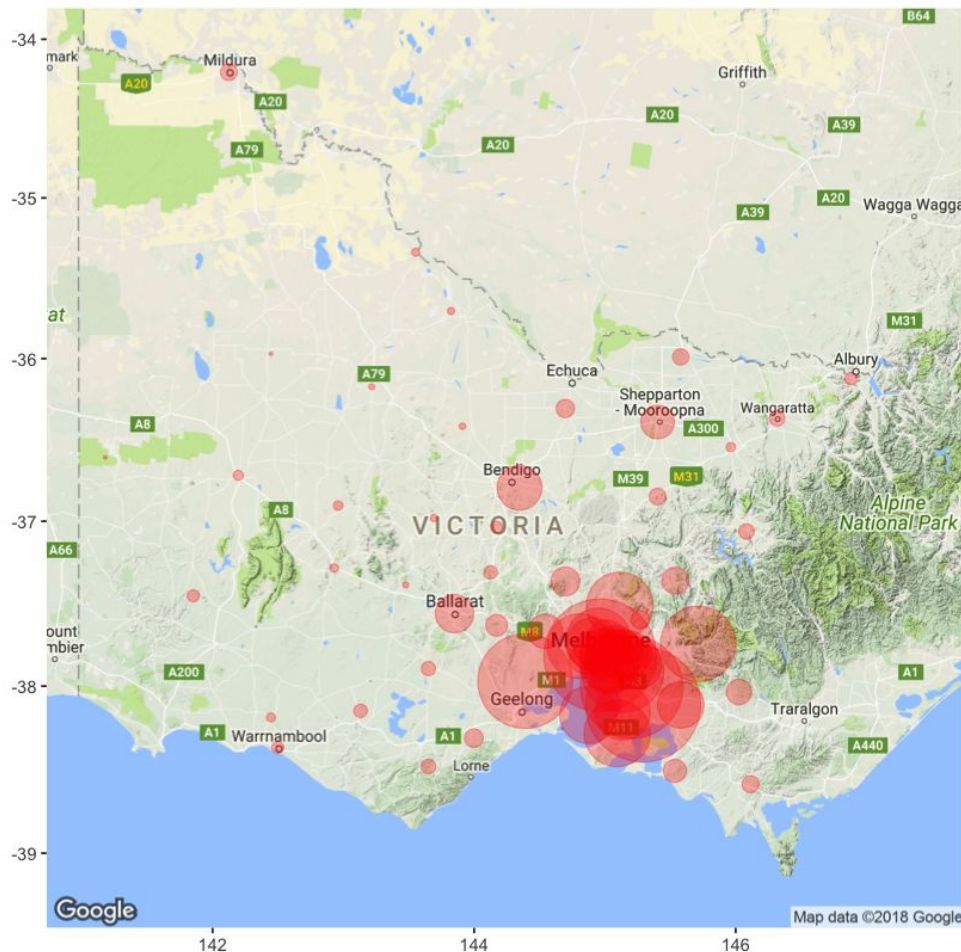
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Where are the accidents happening?

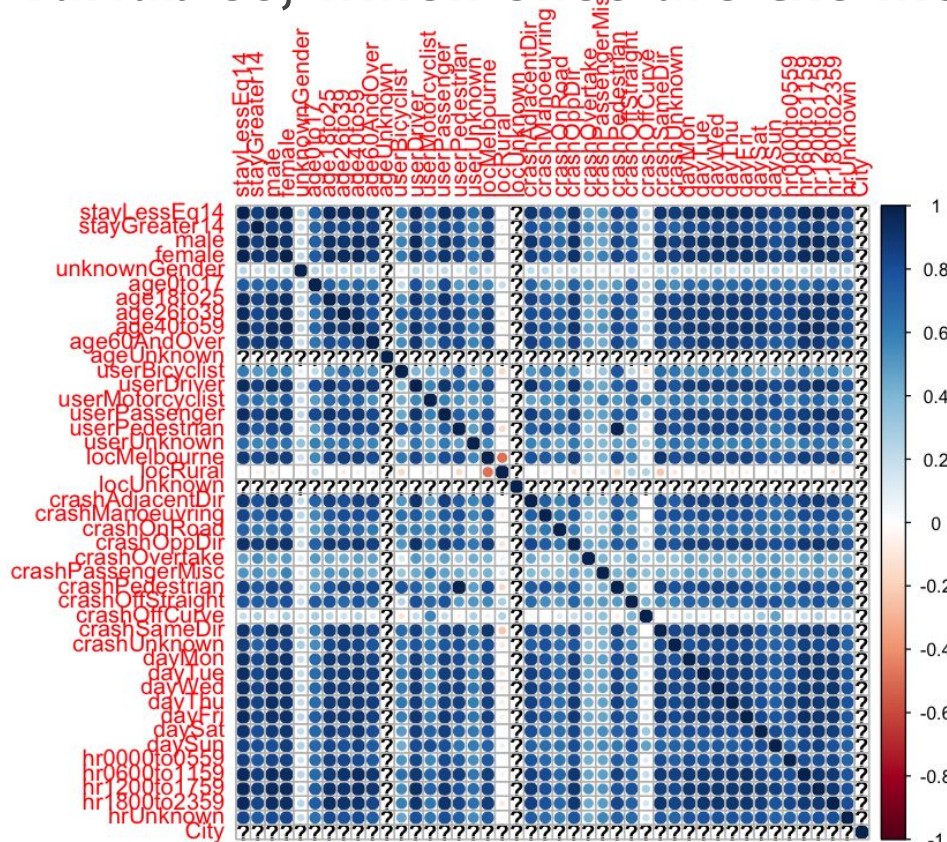
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*Made using R, ggplot and the Google Map API
To get lat/lon for each local area



We have 47 variables, which ones are the most useful?

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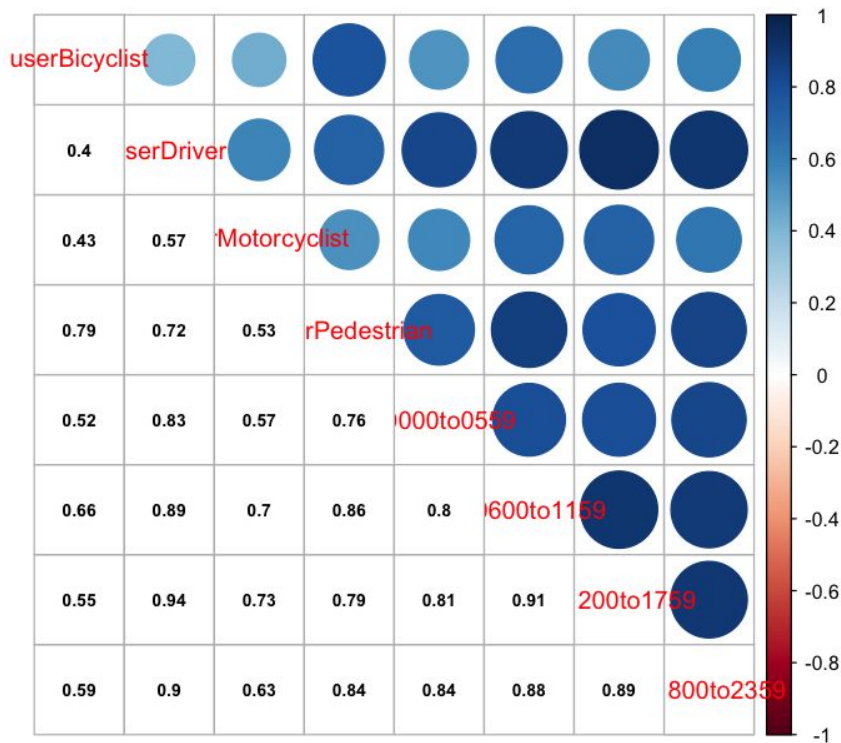
Which Variables are the Most Correlated?

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	row	column	cor	p
783	male	hr1200to1759	0.9505827	0
69	male	userDriver	0.9522033	0
16	stayLessEq14	age18to25	0.9537018	0
821	stayLessEq14	hr1800to2359	0.9544301	0
742	stayLessEq14	hr0600to1159	0.9566319	0
784	female	hr1200to1759	0.9582089	0
32	female	age40to59	0.9626181	0
781	stayLessEq14	hr1200to1759	0.9680465	0
29	stayLessEq14	age40to59	0.9696351	0
2	stayLessEq14	male	0.9781661	0
4	stayLessEq14	female	0.9805275	0
341	userPedestrian	crashPedestrian	0.9879493	0

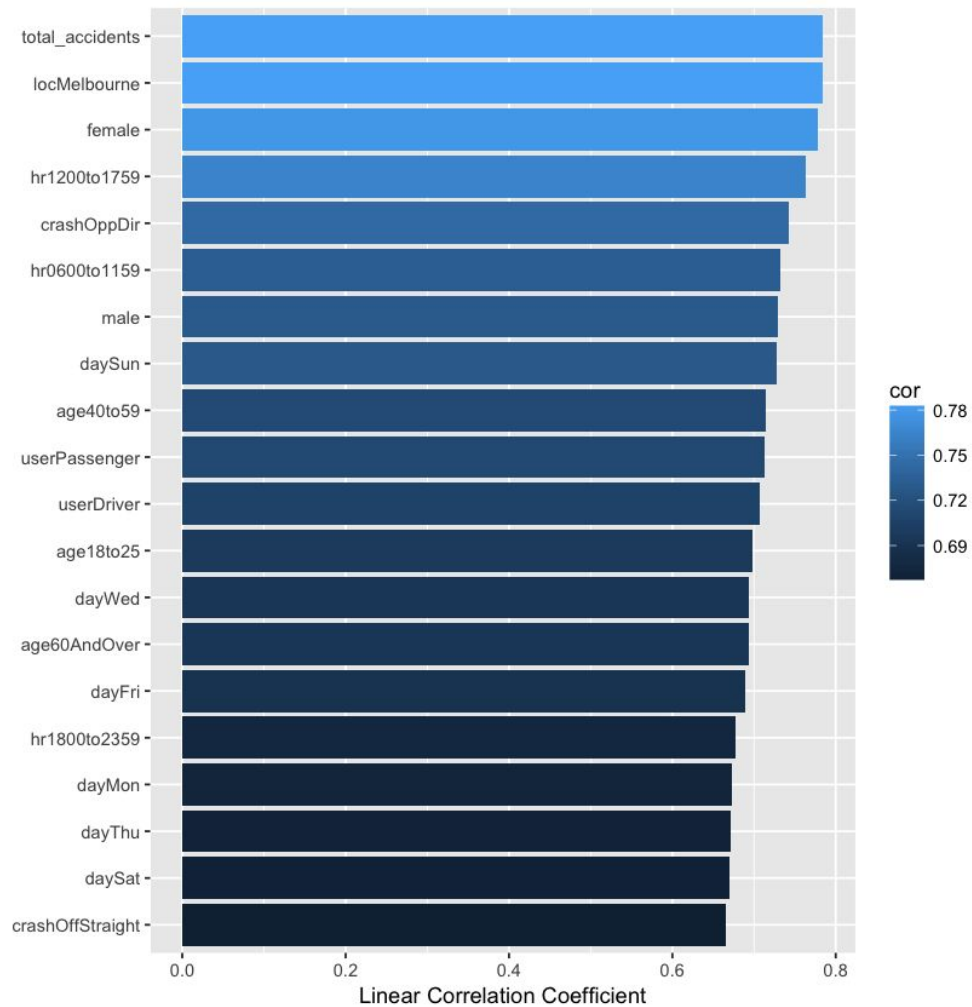
Try Again: When do accidents happen?

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What's the point of all this?
Actionable Solutions

What Correlates With 'Bad' Accidents?



Based on these correlation, one recommendation for decreasing bad accidents is to increase signage about one way roads.