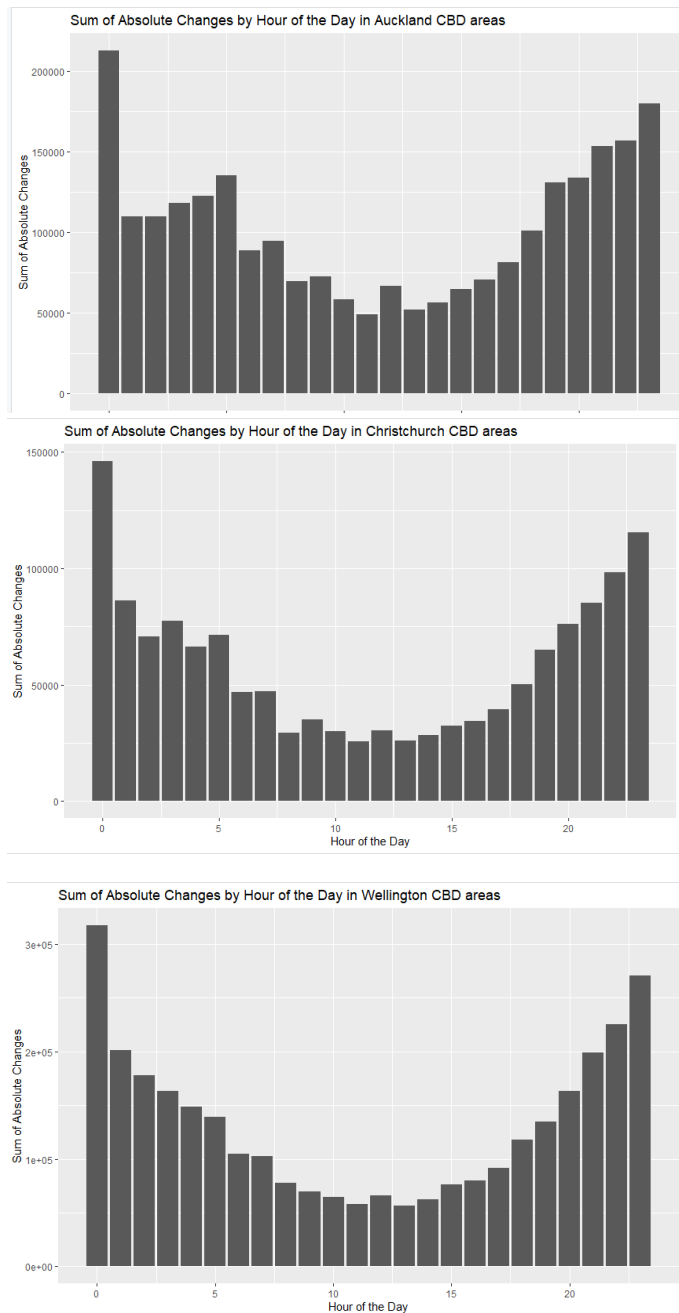


## Geographical Differences effecting CBD areas



When comparing the hourly plots for change in the three Individual CBDs, the trends appear to be the same which makes sense based off the populations general work schedule being 9-5 and therefore these hours tend to be far less active. However, the geographical differences between these locations appear to be playing a role in the differences between device change in the CBDs. Auckland for example tends to have a lot more change in general throughout the day. While this could be simply due to the significantly higher Auckland population it is also likely due to Auckland having a

generally warmer climate than Wellington and Christchurch which encourages the population to be outside during the day instead of sticking largely to being inside buildings and minimising their time outdoors which is more common in colder climates like Christchurch.

Wellington is far more condensed geographically than both Christchurch and Auckland due to its surrounding topography and urban design. This explains why its trend appears to be more uniform, as people are confined to a smaller area than Christchurch or Auckland.

Additionally, Wellington will have more pedestrian and cyclist traffic especially compared to Christchurch. This must be considered when planning construction projects there. To add to this Christchurch follows the grid city structure more closely than Auckland and Wellington so Road traffic even in the CBD is going to be higher than in Wellington. Auckland however while not being designed as much for road traffic as Christchurch will still likely have more road traffic due to its far higher population.

Christchurch also has less extensive public transport than Wellington and Auckland increasing its road traffic further.

It is paramount that all these factors are considered when planning construction projects in the respective CBDs.