

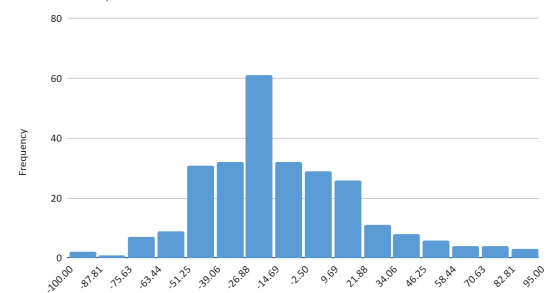
Old assessment - rewrite with less jargon and include visuals:

The Covid-19 outbreak and pandemic has affected people, the economy and travel. As New Zealanders, we have been quite fortunate to be one of a handful of countries that have managed to get little to no active community cases but that isn't to say the virus has not affected us. For this report, I will be looking at the effect that the virus has had on the viewpoints of Victoria University students that were not born in New Zealand, taken from a study conducted in 2020 in the 2021 Future As Seen By Victoria Graduates survey. I will also be comparing the results to the results of people born in New Zealand. I have selected these groups as I believe it would be interesting to see the views of someone not born in New Zealand's reaction to how the virus was handled and the potential implications they think the virus has had on our country compared to that of someone from New Zealand.

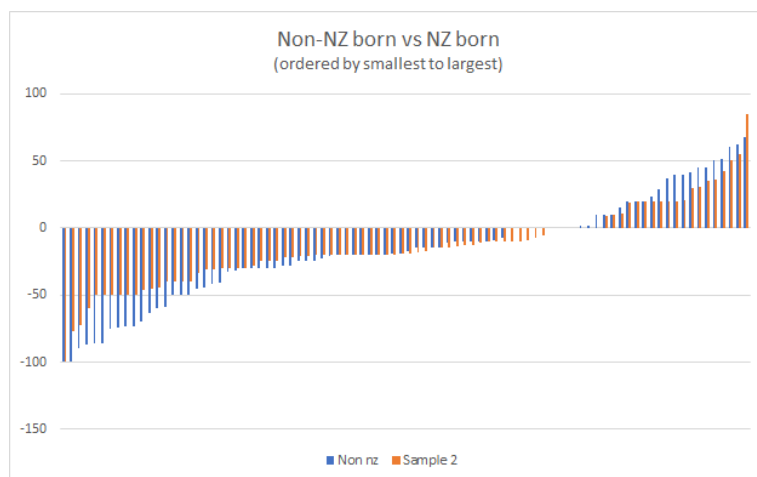
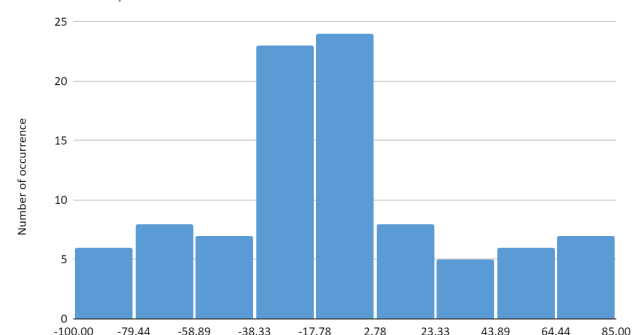
To ensure the accuracy of my data I removed any observations that had a black or invalid response for my selected data points (E.g. if the observation had not entered a birth country, their observation would be deleted from the selection). I also sampled the observations proportionally (as so the results are the same with means and modded and etc.) regarding New Zealand born for the sake of graphing as there were approximately 3 times for entries from those born in New Zealand compared to not born in New Zealand.

One of the first things that I investigated was the subject's general response to the question "how would you rate the impact that the Covid 19 pandemic has had on your own life over the past year (scale of -100 to +100 with -100 being a large negative impact)?" and related these numeric variables to what the typical responses were. After running the descriptive statistics functions in excel, I was able to observe that the data had an average value of -10 for overall impact, meaning that the average person from my selection would have been slightly negatively affected by Covid-19. The summary has also shown that the most common value was 0, meaning that the most common answer was that covid has had no real positive or negative impact on the subjects life over the past year. I also tested the data for people born in New Zealand and found a similar average of -11, meaning that largely, the average person thought the same as the non-NZ born data. The most common value was slightly lower at -20, meaning that the majority of people born in New Zealand thought that covid-19 affected them more negatively compared to someone that wasn't born in New Zealand. This could be placed down to a multitude of reasons but a likely reason was that their home country had a worse response to Covid-19 so they would have thought that our country's response to the virus left them better off than if they were in their birth country. I also tested the data side by side as I also wanted to see if there was any comparison with the overall shape of the results which presented a largely similar shape and curve, proving that people largely had a similar outlook on how covid affected them, regardless of birthplace..

Personal impact of Covid-19 For NZ born

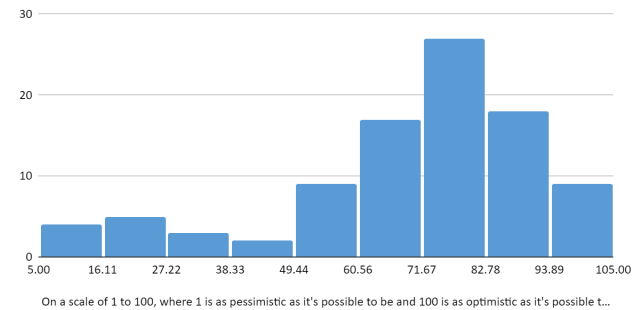


Personal Impact of Covid 19 for Non-NZ born individuals

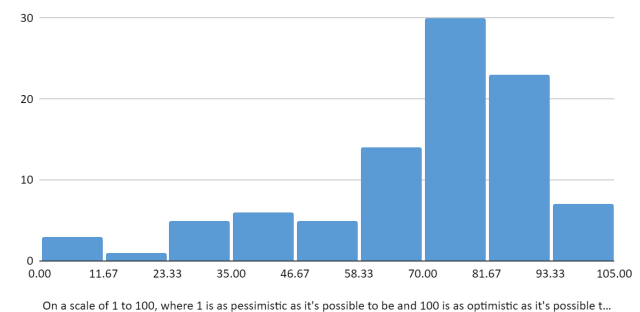


A natural assumption is regarding how a global event on the magnitude of covid that has shaken the global economy, is to see how people feel about their future and the future of the country in regards to a post covid world. Within the data selection, the respondents were asked on a scale of one to one-hundred to these questions with 1 being as pessimistic as possible and 100 being as optimistic as possible. I applied a statistical summary for people not born in New Zealand which equated to an equal average of 69.6 for both tests, meaning that people not born in New Zealand, on average had a slightly optimistic outlook on both their own and for the future of New Zealand. Upon testing the same summary statistics for those that were born in New Zealand, i found that they had slightly lower mean optimism levels compared to that of those not born in New Zealand with an average personal level of optimism of 69.5 and 64.1 for an average level of optimism for how they look towards the future of this country. This means that people born in New Zealand, on average, had a slightly optimistic outlook towards their own future but a slightly less optimistic outlook on the future of this country. As the means across all the values were similar, I wanted to test if there was any correlation between how people thought about their own future and how they thought about the future of this country. Upon testing I found a correlation confidence value of 0.36 for those not born in New Zealand and a confidence value of 0.59 for those born in New Zealand, meaning that there is statistically unlikely to be any correlation between a person's optimism towards their own future and the future of this country as visualised with no real points lining up or being sporadic (see line charts below).

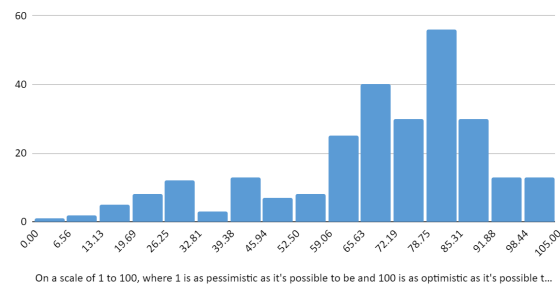
Histogram on how Non-NZ born feel about Covid19 impacting their own future



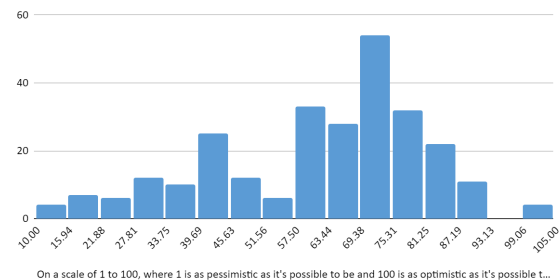
Histogram of the optimism towards the future of people living in New Zealand from Non-NZ born



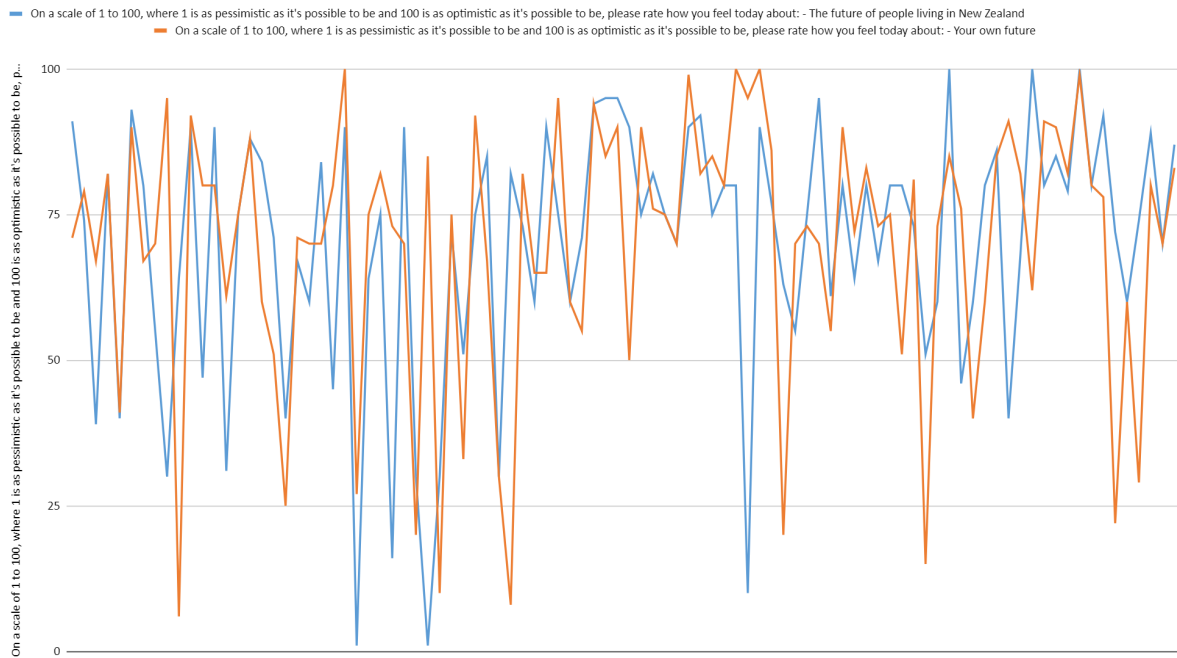
Histogram of optimism towards your own future for NZ born Individuals



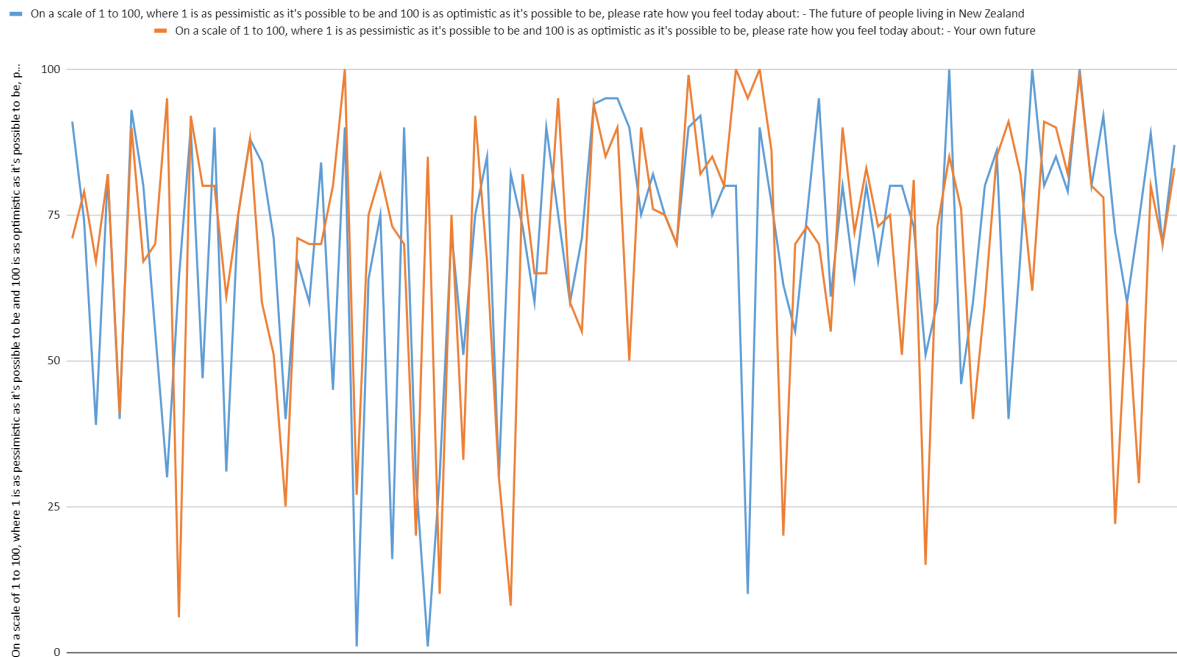
Histogram of optimism towards the future of people living in New Zealand for NZ born individuals



potential correlation visualization for optimism for people born in New Zealand



potential correlation visualization for optimism for people born in New Zealand



Covid-19 has affected everyone in a different manner. Based on my tests and observations, I was able to show that the average person both born and not born in New Zealand found that covid-19 has added a slight inconvenience to their life as a whole. I was also able to gather the impact that covid had on the average person with regards to how they felt about the future of themselves and New Zealand and had found that they had a slightly optimistic view towards this. This tells me that although Covid-19 has been a hindrance on everyday life, people are looking towards the future with optimism that as a country we will recover.