

Part 5.4 Questions

For each of the claims below, determine the type of claim, calculate the margin of error, work out the confidence interval, interpret it in words and state if the claim is justified or not.

1. **Claim:** "More than half of NZ thinks Te Reo Māori should be core primary school subject, new survey reveals"
Source: <https://www.tvnz.co.nz/one-news/new-zealand/more-than-half-nz-thinks-te-reo-m-ori-should-core-primary-school-subject-new-survey-reveals>
Alternative Source: <https://students.mathsnz.com/3.12/pdfs/Article10.pdf>
Extra Info: Survey asked 8,000 people
2. **Claim:** "More businesses store backups in the cloud than use physical media (disk to tape, removable, tape) combined"
Source: <https://itbrief.co.nz/story/why-enterprises-are-still-grappling-with-data-loss>
Alternative Source: <https://students.mathsnz.com/3.12/pdfs/Article11.pdf>
3. **Claim:** "Male Millennials more interested in investing in crypto currency than male Gen Xers"
Source: <https://www.chainbits.com/news/survey-says-men-more-interested-in-crypto-investment-than-women/>
Alternative Source: <https://students.mathsnz.com/3.12/pdfs/Article12.pdf>
Extra Info: Survey asked 3,000 people in total, 503 Male Millennials and 478 Male Gen Xers
4. **Claim:** "National overtakes Labour in latest TVNZ poll"
Source: <https://www.stuff.co.nz/national/politics/103149694/national-takes-over-labour-in-tvnz-poll>
Alternative Source: <https://students.mathsnz.com/3.12/pdfs/Article13.pdf>
Extra Info: Survey asked 1,007 people
5. **Claim:** "There's nearly a Nixon '74 level of public support for impeaching Trump (there was a higher support for impeaching Nixon in 1974 than there is to impeach Trump in 2018)"
Source: <https://edition.cnn.com/2018/06/22/politics/impeach-trump-nixon-support-bill-clinton-poll/index.html>
Alternative Source: <https://students.mathsnz.com/3.12/pdfs/Article14.pdf>
Extra Info: Survey asked 1,003 voters in 2018 and 1,407 households in 1974
6. **Claim:** "Just over half of Facebook users ages 18 and older say they have adjusted their privacy settings in the past 12 months"
Source: <http://www.pewresearch.org/fact-tank/2018/09/05/americans-are-changing-their-relationship-with-facebook/>
Alternative Source: <https://students.mathsnz.com/3.12/pdfs/Article15.pdf>
Extra Info: Survey asked 4,594 people