

Questions 26 to 29 refer to the following information.

Statistics New Zealand collects data on the number of claims made each year for work-related injuries. The 2014 data was downloaded from www.stats.govt.nz.

Figure 5 shows the percentage of claims for work-related injuries by age group for both males and females. (Note that those aged 14 years and under and those who did not specify their age are excluded from this analysis.)



Figure 5: Distribution of claims by age group for males and females



Stats 101/101G/108 workshop: Proportions and Proportional Reasoning [PPR] – plots in colour 2019

Questions 33 to **35** refer to the following information.

Research New Zealand conducts monthly telephone surveys in which they survey a random sample of 500 adult New Zealanders, aged 18 years or over. In the July 2015 survey they included a question designed to measure the opinions of adult New Zealanders on the legalisation of euthanasia. This question had also been asked in their April 2015 survey (ResearchNZ, 2015).

The question asked was:

Suppose a person has a painful incurable disease. Do you think that doctors should be allowed by law to end the patient's life if the patient requests it?

The answers to the question (**Answer**), classified by **Age Group**, for the July 2015 survey are shown in Table 1 and Figure 4.

		Age Group (years)				
	Answer	18 - 34	35 – 54	55 and over	Total	
	Yes	44	136	148	328	
	No	14	45	63	122	
	Don't know	5	13	32	50	
	Total	63	194	243	500	



Table 1: Answer by Age Group

 $\textcircled{\sc c}$ Leila Boyle, Department of Statistics The University of Auckland

Questions 36 to 38 refer to the following information.

The General Social Surveys are conducted in the USA by the National Opinion Research Center every two years. In the 2014 survey, 2503 adult Americans answered both of the following two questions:

Compared with families in general, would you say your family income is far above average, above average, average, below average, far below average?

and

Taken all together, how would you say things are these days - would you say that you are not too happy, pretty happy, very happy?

A summary of the responses to these two questions is shown in Table 1 and the distribution of Happiness by Family Income is shown in Figure 4.

		Happiness		
Family Income	Not too happy	Pretty happy	Very happy	Total
Far above average	11	29	25	65
Above average	31	265	185	481
Average	101	620	394	1115
Below average	131	391	141	663
Far below average	63	83	33	179
Total	337	1388	778	2503

Source: Data from CSM, UC Berkeley

Figure 4: Distribution of **Happiness** by **Family Income**

39. Figure 1 shows hard drug use by gender, subset by age group, from a data set derived from the NHANES database (www.cdc.gov/nchs/nhanes.htm).

Figure 1: The distribution of hard drug use by gender, subset by age group