2. Guessing lengths

Hills, M. and the M345 Course Team (1986) M345 *Statistical Methods, Unit 1: Data, distributions and uncertainty*, Milton Keynes: The Open University. Tables 2.1 and 2.4.

Shortly after metric units of length were officially introduced in Australia, each of a group of 44 students was asked to guess, to the nearest metre, the width of the lecture hall in which they were sitting. Another group of 69 students in the same room was asked to guess the width in feet, to the nearest foot. The true width of the hall was 13.1 metres (43.0 feet). The data were collected by Professor T. Lewis.

Guesses in metres:

8	9	10	10	10	10	10	10	11	11	11	11	12	12	13
13	13	14	14	14	15	15	15	15	15	15	15	15	16	16
16	17	17	17	17	18	18	20	22	25	27	35	38	40	

Guesses in feet:

24	25	27	30	30	30	30	30	30	32	32	33	34	34	34
35	35	36	36	36	37	37	40	40	40	40	40	40	40	40
40	41	41	42	42	42	42	43	43	44	44	44	45	45	45
45	45	45	46	46	47	48	48	50	50	50	51	54	54	
55	55	60	60	63	70	75	80	94						