

90. House temperatures: Neath Hill

The Open University (1984) *MDST242 Statistics in Society, Unit A5: Review*, 2nd edition, Milton Keynes: The Open University, Figure 2.13.

These data were collected by the Open University's Energy Research Group in the early 1980s. For each of 15 houses in the Neath Hill district of Milton Keynes, they recorded over a period of time the average temperature difference (in °C) between the inside and the outside of the house, and the average daily gas consumption (in kWh). How are these two quantities related?

<i>Temperature difference (°C)</i>	<i>Daily gas consumption (kWh)</i>
10.3	69.81
11.4	82.75
11.5	81.75
12.5	80.38
13.1	85.89
13.4	75.32
13.6	69.81
15.0	78.54
15.2	81.29
15.3	99.20
15.6	86.35
16.4	110.23
16.5	106.55
17.0	85.50
17.1	90.02