
Factor 3 - Resource (Overweight UK90)

Factor 4 - Prioritisation of physical activity (Overweight UK90)

S4 file – Caterpillar plots
Types of caterpillar plot

**Type 1 (≈) – Large variation, normal distribution**

Example – Outcome; Overweight (UK90), Factor; Factor 4 – Prioritisation of physical activity, Year; 2008/09, Model; Three-level, Residuals; Difference in year group

**Type 2 (≈) – Medium variation, normal distribution**

Example – Outcome; Overweight (UK90), Factor; Factor 2 – Location, Year; 2006/07, Model; Reception two-level, Residuals; School

**Type 3 (≈) – Small variation, normal distribution**

Example – Outcome; Obese (UK90), Factor; Factor 2 – Location, Year; 2007/08, Model; Year 6 two-level, Residuals; School

**Type 4 (−) – ‘Flat line’ no variation, uniform distribution**

Example – Outcome; Obese (UK90), Factor; Factor 1 – Deprivation, Year; 2007/08, Model; Three-level, Residuals; School

**Positive skew variant (+)**

Example – Outcome; Obese (UK90), Factor; Factor 3 – Resource, Year; 2009/10, Model; Three-level, Residuals, Difference in year group

**‘Outlier’ variant (*)**

Example – Outcome; Overweight (UK90), Factor; Factor 4 – Prioritisation of physical activity, Year; 2008/09, Model; Reception two-level, Residuals, School

Confidence interval; posterior modal estimate of the residual (PME) ± 1.4 x standard error of the PME [43]