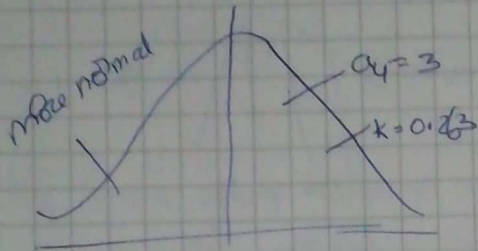
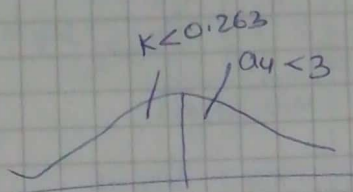


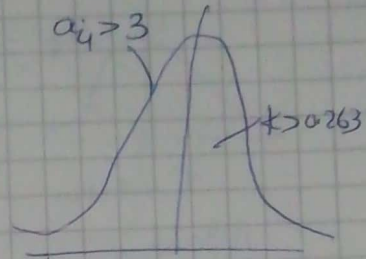
Kurtosis



Mesokurtic



Platykurtic



Leptokurtic

→ Values are bunched in leptokurtic, and dispersed in mesokurtic and even more dispersed in platykurtic

Moment coefficient of Kurtosis = $\alpha_4 = \frac{\mu_4}{s^4} \rightarrow$ Standard deviation.

Percentile coefficient of Kurtosis = $\frac{1}{2} \frac{Q_3 - Q_1}{P_{90} - P_{10}}$

$$\alpha_4 = \frac{\mu_4}{s^4} = \frac{\frac{\sum (x_i - \bar{x})^4}{n}}{\frac{s^4}{n}} = \frac{\sum (x_i - \bar{x})^4}{n} \times \frac{1}{s^4}$$