

Project Costing

1 **Estimating** the resources required to perform the project

1.1 Estimating with **global approaches**

Global approaches

Linear
regressions

Chilton
law

Freiman
principle

Distance
weighing

$$\text{Cost} = a \text{ Size}^b$$

a and b from tables

$$\frac{\text{Cost}}{\text{Cost}_{\text{ref}}} = \left(\frac{\text{Size}}{\text{Size}_{\text{ref}}} \right)^k$$

$k \in [0.3 \cdots 0.7]$

$$\text{Cost} = a \cdot b^k \cdot (\text{Size})^{1-1/k}$$

$$1 \leq k \leq 10$$