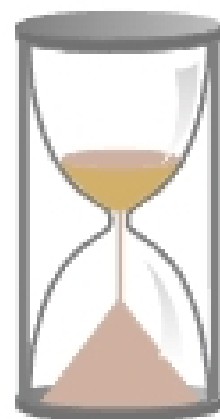


Statistical Techniques I

EXST7005

ANOVA Terminology



Terminology

- Treatment - different experimental populations that are contained in an experiment and undergo some application or manipulation by the experimenter
 - ➔ control, check - a "treatment" that receives no experimental manipulation
- Experimental Unit - the unit to which a treatment is applied
- Sampling Unit - the unit that is sampled or measured

Terminology (*continued*)

- The linear model is given by

$$\text{estimated } \hat{\mu}_j = (\underline{\hat{Y}}^j - \underline{\bar{Y}})$$

$$\text{model } \mu_j = (\underline{w}^j - \underline{w})$$

$$\hat{Y}^{ij} = w + \mu_j + \varepsilon^{ij}$$

$$\hat{Y}^{ij} = w + \varepsilon^{ij}$$