So far: Genetics

- Given Model : $P = G + E$

  Aim: Predictions about G based on P and E

  From statistics point of view:

  - G : unknown
  - P, E (parts of E) : known and available as observations
    - Farm, Season, Age, ...
  - Model $P = G + E$

  → Problem of estimating unknown parameter G based on P and E

  - BLUP : Best Linear Unbiased Prediction
  - Bayesian methods