Lesson 1: Wald’s analysis

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September 17, 2021

Mission analysis

- less chance of being hit in engines (e) than fuselage (f)
- higher chance of survival (s) for hits in fuselage than engine
- armouring fuselage less likely to affect survival
- note over-representation of hits to the fuselage (lower branch) in total outcomes which survive

Survival rate: 80% (15 + 65)
Mission analysis II

Armour fuselage

Survival rate: 70% \((5 + 65)\)

Armour engines

Survival rate: 85% \((20 + 65)\)

Full mission analysis

Example:
If we were to choose to protect the engines (branch \(E\)), then 20 (out of 30) bombers hit in the engines would survive

red bombers which would survive mission