PY4210 Research and Statistics for Psychology
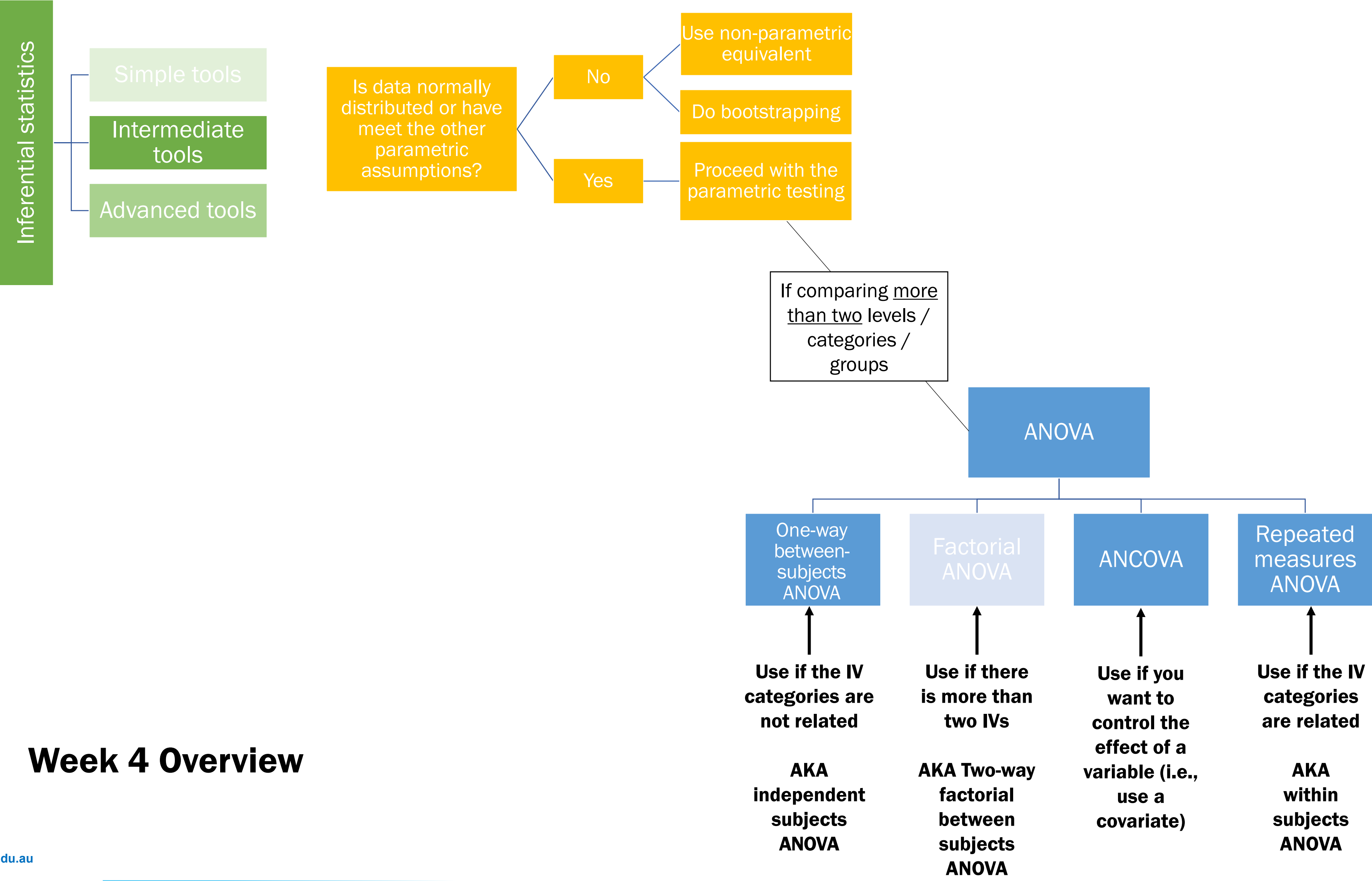
Inferential statistics

- Simple tools
- Intermediate tools
- Advanced tools

Is data normally distributed or have meet the other parametric assumptions?

No
- Use non-parametric equivalent
- Do bootstrapping

Yes
- Proceed with the parametric testing

If comparing more than two levels / categories / groups

ANOVA

| One-way between-subjects ANOVA | Factorial ANOVA | ANCOVA | Repeated measures ANOVA |

Use if the IV categories are not related

AKA independent subjects ANOVA

Use if there is more than two IVs

AKA Two-way factorial between subjects ANOVA

Use if you want to control the effect of a variable (i.e., use a covariate)

Use if the IV categories are related

AKA within subjects ANOVA

Week 4 Overview

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