3.8.2020

3.8.5050 MARCH BRIDGE DESIGN IN BUILDING? 2 17 | 18 | 19 | 20 | 21 23 24 25 26 27 S M T W T Saturday 081-284 • WK 12 operationalizing research literature review 10 sampling 11 types of variables and levels of measurements 12 · designing an experiment Validity relialisability, and cross-validation 3 3. types of experimental design: non-experimental designs · pilot testing · data collection Sunday surveys, questionnainer olata representation levels of measurement human annotation different types of design 2014

MARCH

25
Tuesday
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4. clata visualization and analysis

classriptive statistics

teasts of normality and data transformation

collinearity in data

collinearity in data

data summarization we data reduction.

exploratory factor analysis

· principal component analysis

· discriminant factor analysis

5. introduction to Statistical analysis

· interential statistics

· tests of difference

· tests of association

2014

· multi-level tests (ANOVA)

3.8.2020 MARCH Wednesday SS WK 13 • 085-280 non-parametric & parametric tests of difference Chi-square test mann whitney U test binomial sign test wilcoxon's T test related and unrelated T tests non-parametric & parametric tests of association correlation · regression · significance testing 6. Communicating & assessing research: writing, poster, and general presentations Charmatting of the research paper using APA and IEEE journal / conference formats interest in conducting behavioural experiments ext is desirable. epen only for DD, Ms, and PhD students. BTech and MTech students can be admitted based on specific requirement and enstructor peramission

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