

Design and Communication

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DTL|Digital Arts Initiative
Interacting Minds Centre|Aarhus University

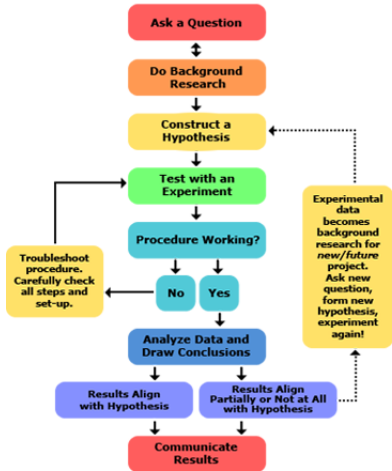
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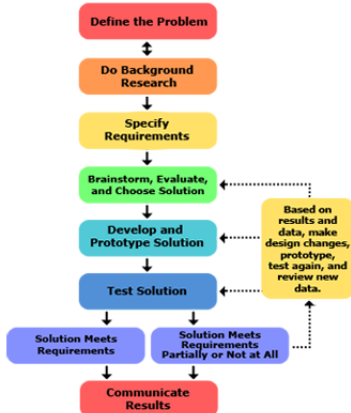
Outline

- ▶ General article structure
- ▶ Synopsis structure
- ▶ Questions

Scientific Method



Engineering Method



General structure

Five components

- ▶ *Introduction*
- ▶ *Methods*
- ▶ *Results*
- ▶ *And*
- ▶ *Discussion*

Introduction

Summation of Design (\sim) elevator pitch

- ▶ Motivation and relevance
- ▶ Theoretical background
- ▶ Research question
- ▶ Hypothesis (theoretical)

Methods

Procedure

- ▶ Data
- ▶ Design specifics (descriptive, exploratory, hypothesis testing)
- ▶ Preprocessing
- ▶ Analysis

Results

Findings

- ▶ Preamble
- ▶ Results
- ▶ Summary (pointing towards the discussion)

for each experiment REPEAT Methods and Results

General Discussion

Inference from results and contextualization

- ▶ Inference to specific theory
- ▶ Inference to more general framework
- ▶ Perspective
- ▶ Suggest new experiment

Synopsis structure part 1

Outline problem

- ▶ IMRAD introduction
- ▶ Thorough description and motivation of research problem and question
- ▶ Outline competing positions
- ▶ Include a bit of general discussion

QUALIFY YOUR CHOICES

Synopsis structure part 2

Method and Results

- ▶ Method section
- ▶ Operationalization
- ▶ Data (what, how, and why)
- ▶ Suggest design (e.g., descriptive, exploratory, causal)
- ▶ Specify pipeline
- ▶ Show prototype (results from sample, simulated or hard-coded data)
- ▶ Visualization if you find it relevant

toupper(qualify your choices)