

exploration / formative

- find any interesting issues
- stats about deciding priorities

validation / summative

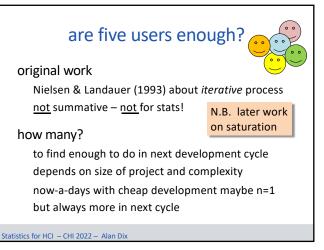
- exhaustive: find all problems/issues
- verifying: is hypothesis true, does system work
- mensuration: how good, how prevalent

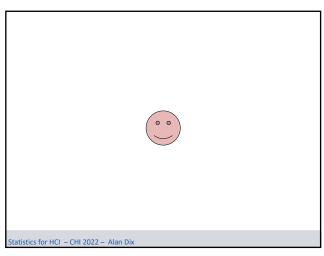
explanation

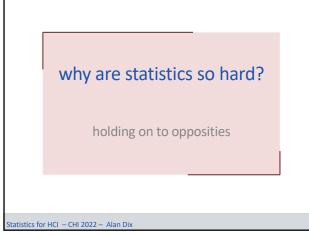
- matching qualitative/quantitative, small/large samples

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Why are statistics so hard?

in two minds

- conscious vs. sub-conscious

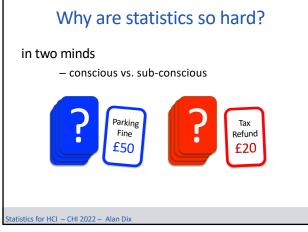
mathematics and materiality

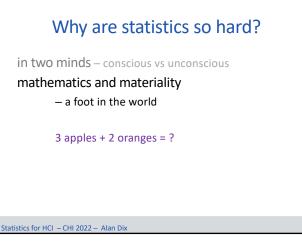
accepting uncertainty – probability and the unknown

counterfactual reasoning

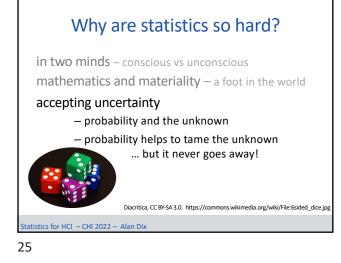
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Why are statistics so hard?

in two minds – conscious vs unconscious mathematics and materiality – a foot in the world accepting uncertainty – probability vs unknown counterfactual reasoning – from observation to cause – lots of "what if?"

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