	Lesson 1 - Preliminaries	
•	Objectives: 1. Six Steps of Statistical investigation 2. Four pillurs of Statistical interface 3. Basic terminology: Observational units, quentative and categoria distributions)
	Six Steps of statistical investigation	
	1. Ask a research question (Research hypothesis)	
	2. Design a study and collect data	
	3. Explore the data	
	Logic of J. Draw inferences (Significance estimation)	
1	(Scope of)s. Formulate conclusions (beneralization cawation)	
~	6. Look back and ahead	
* .	Four Pillers of Statistical Interence	
10 PM	21. Significance - How strong is the evidence of an effect? STREMOTIT 22. Estimation - What is the size of the effect? SIZE	
Le sorres	3. Generalization- How broadly do the conclusions apply? BREADTH C.4. Causation - Can we say what caused the observed difference CAUSE	7
	Basic Terminology	
**	Observational Units - These individual entities on which data corre recon	do
	Categorical Variable - Take category designations (eye color, maritial effects) - variables up non-numeric values) !
	avantitative - variables we numeric values with which arithmetic can be done (height, # siblings, age)	
	Distribution - The pattern of outcomes of a variable	
	Boardwork P.1.1.1 - P.1.1.2 Exercise	
	P.1.3 -P.1.4 Notetakny	
	P.1.1.9 Skydiving - 6x Step Process	

Flow Throductions (name game re Overview
-Graded events
- Wiley Plus (1 (HW and course guide e-acknowledgement Page Brief Integrity Statistics? **→**> Sarous currentions Corre sur - Day 8 · Inhal Corre sur. · Basic R Overver survey esson Step Egorical Gallers process

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