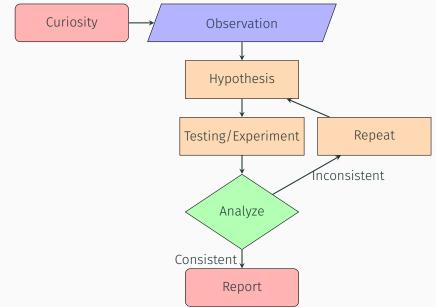
### Introduction to Scientific Research

Saket Choudhary August 31, 2016

BISC 104 Session 1

# Scientific research probes deepest mysteries of universe

#### **The Process**



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- **Control variable**: Could possible affect dependent variable, so should be kept constant

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Amount of Sugar	Size of bread
10g	600 <i>cm</i> <sup>2</sup>
20g	700cm <sup>2</sup>
25g	710cm <sup>2</sup>
30g	715cm <sup>2</sup>
Analysis Table	
Sample Size? Variability?	

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- Independent Variable: Amount of fertilizers X,Y
- Dependent Variable: Yield [kg/tonnes..]
- **Control Variables:** Watering frequency, temperature, weather conditions ....

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- All groups vote to select the best proposal
- Form groups of 2, decide a day/time to collect data
- Disperse!
- Carry out your experiments, analyze your results.

We will go over analysis part in next session. Please email your analysis report by next Tuesday 5PM.

**Office Hours** 

## Tuesday: 9-10AM Wednesday: 9-10AM ZSH 372

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Please don't forget to mail your analysis/report by 5PM, Tuesday(09/06).