



CS Principles

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CS Principles in a Nutshell

- Problem Solving
- Logic development

CS Principles in the classroom



- Successes
 - What worked!

CS Principles in the classroom



- Creativity
 - Open Ended Projects

An example

 - Give them the tool

or

 - Give them the topic

CS Principles in the classroom

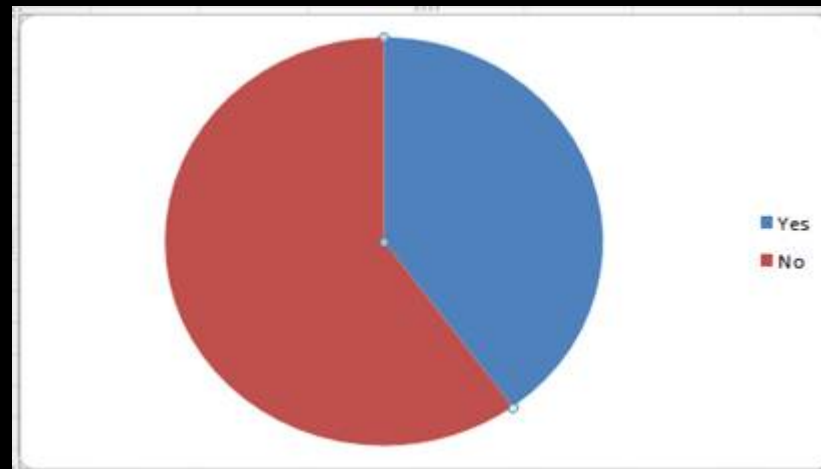


- Big Data
 - Data collection
 - Analysis
 - Reporting

Big Data An Example

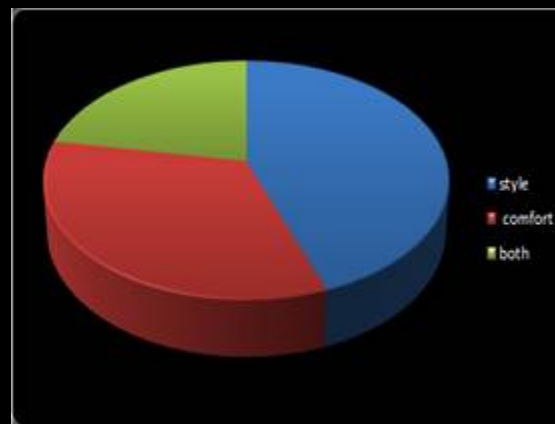
**How to market shoes to teenagers as their tastes in style change.
Sample Size = 22 students**

Do you wear the same type of shoes everyday?



Big Data An Example (contd...)

Do you prefer style over comfort?



CS Principles in the classroom



- Things to do differently
 - What did not work....



What I will do differently...

- Book discussions
 - High school students do not like to read
 - Find a book that works
 - Group discussions, debates.
- Something to get them ENGAGED!!



What I will do differently...

- Rubrics
 - Every opened ended project should have a clear rubric: sets clear expectations.
 - NO - one size fits all!!!

CS Principles in the classroom



- CS is FOR EVERYBODY!!
- Teaching CS is FUN!!!!

CS Principles in the classroom



THANK YOU!!

Questions?