



AMATYC, 33rd Annual Conference
Minneapolis, Minnesota
November 1 - 4, 2007.

**Presentation: S060: Projects for Student Assessment in Statistics
(Classroom and Online)**

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Description: Projects and solutions will be shared. The material is presented in class and in an online environment.

Online Handouts are available at:

<http://online.morainevalley.edu/websupported/jsukta/handouts>

1. [Why do you have to take Statistics?](#)

Projects



2. [Probability Project: Space Shuttle](#)
Website for "Against All Odds, Inside Statistics":
<http://www.learner.org/resources/series65.html>

When you select the episode you want to view by clicking on "VoD", you will be asked to register with an e-mail address and create a password. Once you have done this you can view any of the 26 episodes on the internet. The Space Shuttle Challenger segment is episode 16.



3. [Project Confidence Intervals: Drug Testing Race Horses](#)
4. [Hypothesis Testing: The 4 Step Process](#)
5. [Chi-Square Project: Post Position and Order of Finish](#)

Current starting position statistics are found at:

<http://www.balmoralpark.com/PostStats.cfm?Cat=R&Meet=2005>



6. Project: Confidence Intervals
Acceptance Sampling

Point ↔ Counterpoint



7. **Point:** Hypothesis Testing: Two Means Project:
Is there Sex Discrimination in the Paycheck?

8. **Counterpoint:** Hypothesis Testing: Two Means Revisited

WIN A **\$1 MILLION** DREAM HOME,
or \$1,000,000 in Cash!

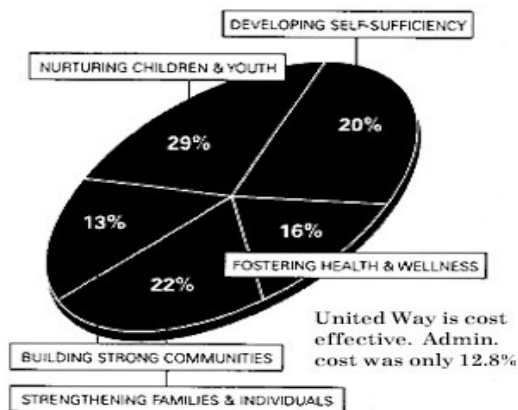


National Association of Home Builders (NAHB)

9. **Rationale:**
Probability Distributions:

Project: Raffle.
Negative Expected Value

The actual raffle site is: <http://www.houseofdreamscharityraffle.org/Index.aspx>



10. **Rationale:**
Descriptive Statistics

Project: Qualitative Data

If you have further questions, please contact me via e-mail:
jsukta@morainevalley.edu. Thank you for your interest.

J. Sukta