



UCF/SHS Six Sigma Project Measure Presentation

Measure Presentation

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Agenda

- Measure Phase Objectives
- Data Base Analysis Data Summary
- Survey Data Summary
- Next Steps



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Measure Phase

Define

Measure

- Gain Information about the process performance.
- Gather Initial Data
- Define the *current* process
- Define key customer requirements

Analyze

Implement

Control



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Activities Accomplished

- Extracted Data from School Database
- Developed Two Surveys
 - Team Brainstorming
 - Brain Storming w/Deans
 - Brain Storming w/Faculty Members
 - Develop Web Based Surveys
- Administered Surveys
- Organized and Stratified All Data



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Database Data Summary
Khalid



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Database Data Summary

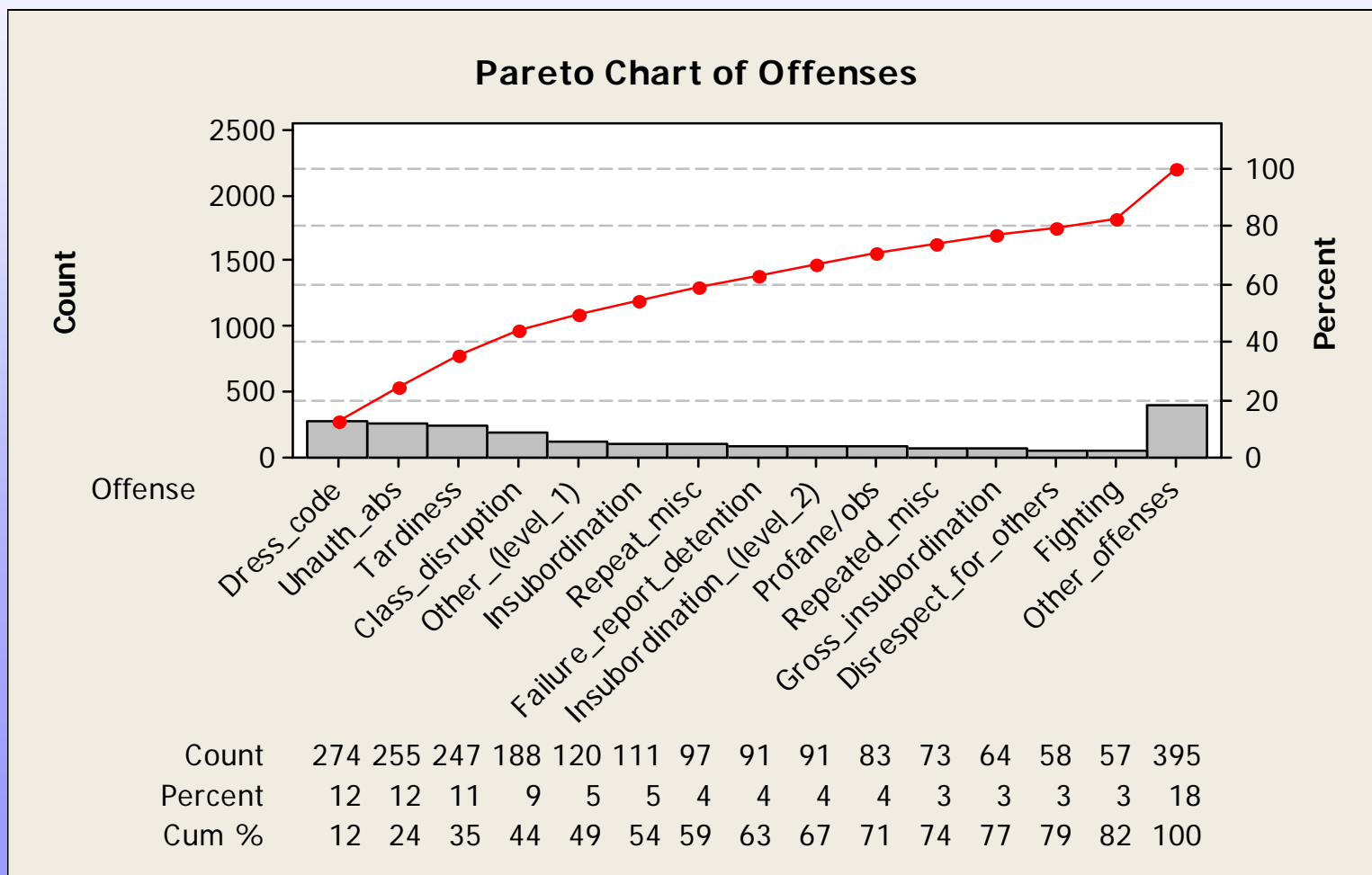
- From the student population, we identified 762 students who have one or more offenses in their record.
- 42% of offenders are Freshmen
- This percent increases as repeat offenses increases
- Academic GPA is statistically proven to be lower for those students with discipline action(s) and serve out of school suspension to students with discipline action(s) who do not serve out of school suspension.
- Among all of the categories, repeat offenders who are part of lower 30% FCAT have the lowest academic performance with an average of 1.53



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- 14 action codes (22%) account for 80% of the referrals written





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Database Data Summary
Excel Spreadsheets
Khalid



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Survey Data Summary
Kevin



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What the data revealed

- Faculty thought:
 - Students knowledge on code of conduct was low
 - Students level of training on code of conduct was not enough
 - They admitted they spend less than a period per semester training the students on the code of conduct.



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What the data revealed

- Faculty thought:
 - Overall satisfaction with the discipline program is high.
 - Belief that the admin team will back them in discipline related issues is high.
 - Support for a Positive Behavioral System is high.



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What the data revealed

- Students thought:
 - Most students think the discipline imposed for infractions is “just right”.
 - Most students do not observe their teachers calling parents on discipline related issues.
 - Approx 1/3 of students parents have “no opinion” on them getting in trouble.



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Survey Data Summary

Excel Data



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Next Steps: Analyze Phase

- Complete a comprehensive statistical analysis of all the data collected from surveys and SHS database
- Develop cause and effect assumptions
- Determine and validate brainstormed root causes
- Collect more data if needed to validate root causes
- Identify short and long-term improvements based on the statistical data collected
- Complete cost/benefit analysis
- Prepare analyze report and presentation



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Questions