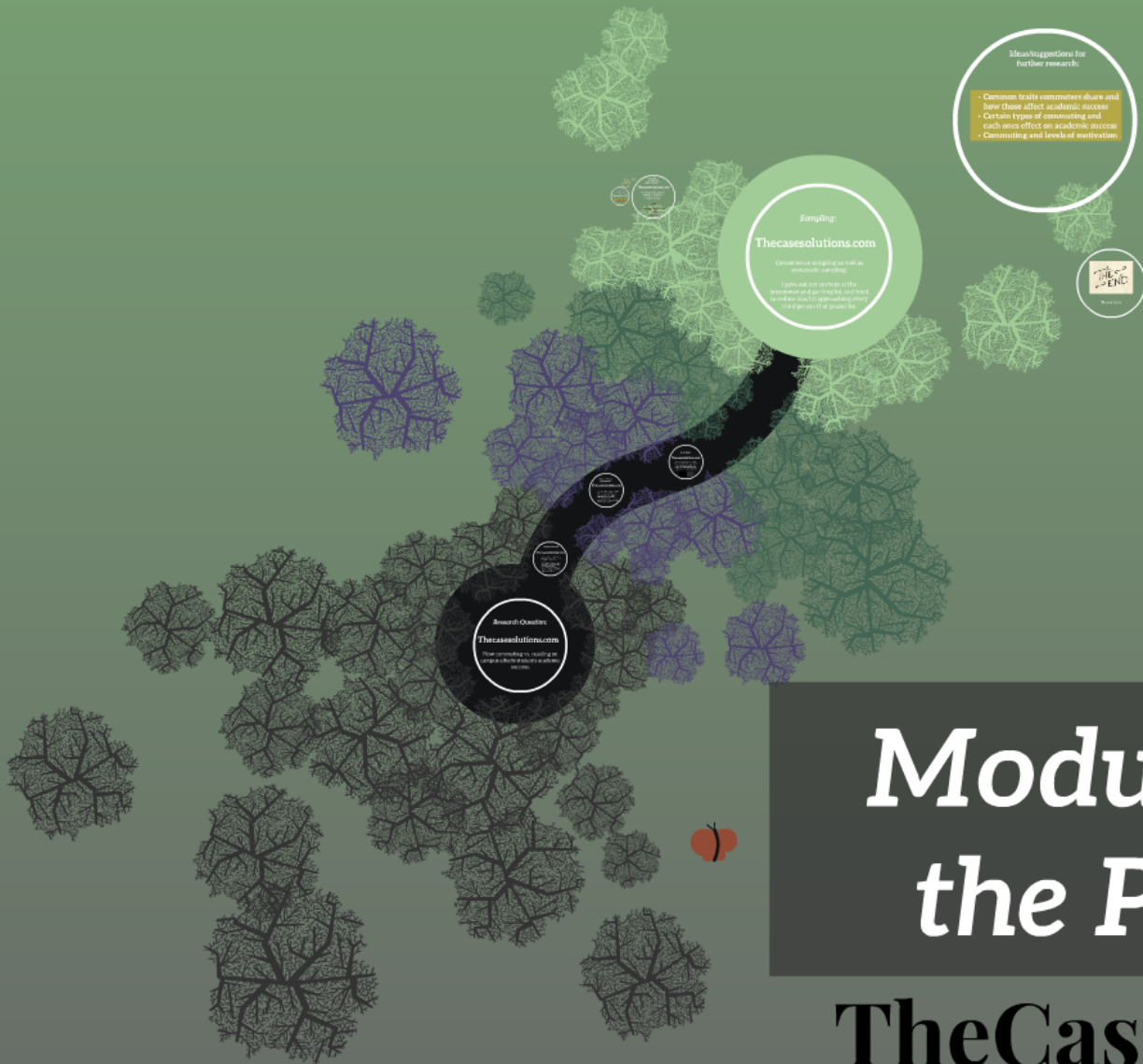


Modu: Optimizing the Product Line

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Research Question:

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How commuting vs. residing on campus affects students academic success.

Previous research:

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- Research shows its harder for students who still live with their parents to develop their own identity.
- This makes it harder to adjust to college life, which takes a toll on their academic success.
- Some studies however found no difference between commuting students and residents.

*Taking a look at a
specific study:*

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- One study done in 1976 supports the findings that students who live in campus develop more rapidly than do commuters.
- This study however did not only look at living arrangements, but other factors as well.

Hypothesis:

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After completing the research for my literature review, I hypothesized that commuting to campus vs. residing on campus would have a negative affect on academic success.



Sampling:

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Convenience sampling as well as
systematic sampling:

I gave out my surveys at the
breezeway and parking lot, and tried
to reduce bias by approaching every
third person that passed by.

Quantitative
methods and
results of research:

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For the quantitative part of
my project I looked at 3
factors in relation to
academic success.

- GPA
- Average % grade in core
classes
- Study Habits

Study Habits
ANOVA test comparing relationship
between commuting and % grade
P-value: .06
F(1, 41) = 1.14, p = .291

Average %
grade in core
classes:

ANOVA test comparing relationship
between commuting and % grade

Commuters Avg. % grade: 80.72
Residents Avg. % grade: 86.54

P-value: .06

relationship
commuting

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GPA: 2.87

Average % grade in core classes: 3.37

GPA:

ANOVA test comparing relationship
between GPA and Commuting

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Average commuter GPA: 2.87
Average resident GPA: 3.37

P-value: **.009**