

Does Earning AP Exam Credit Have an Impact on GPA?

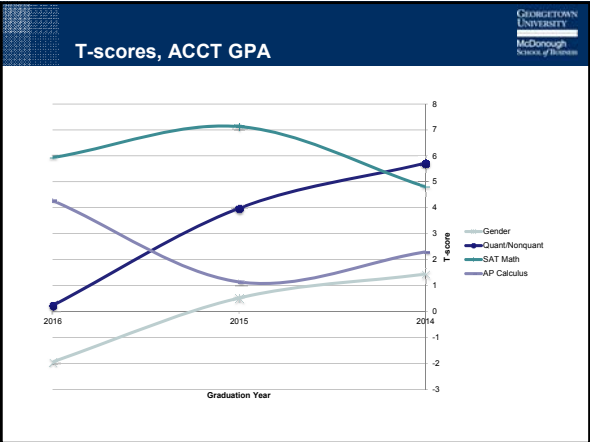
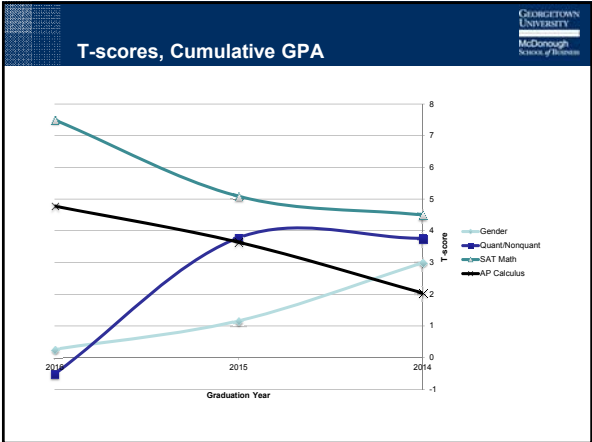
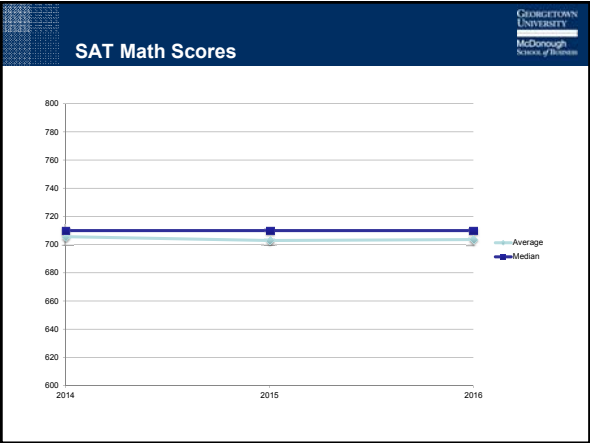
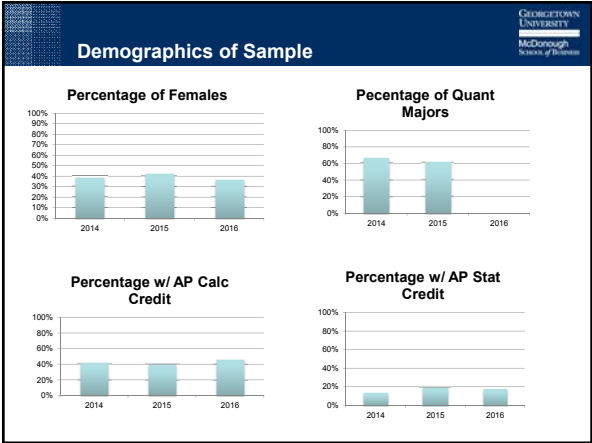
Norean Sharpe
November 16, 2013

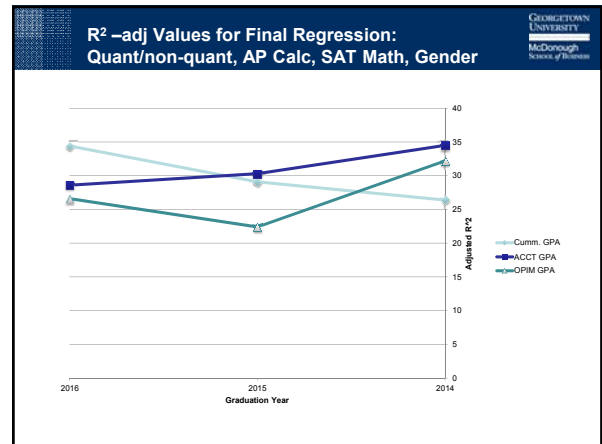
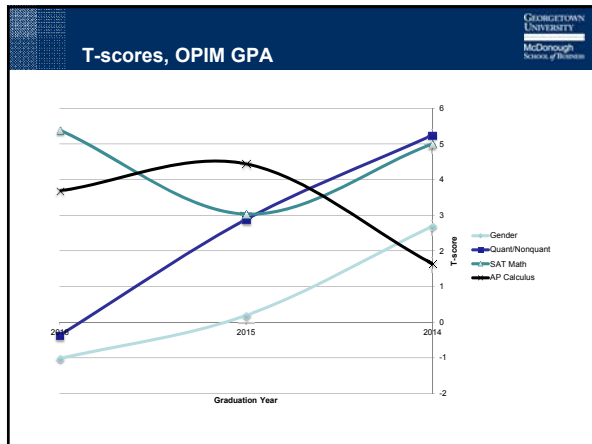
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Sample

- Sample consists of 3 classes of Georgetown undergraduates:
 - Class 2016: 360 students
 - Class 2015: 388 students
 - Class 2014: 358 students
- Dependent Variables: Cum GPA, OPIM GPA, ACCT GPA
- Independent Variables: Gender, Math SAT, AP Calc Credit, AP Stat Credit, Quant Major (yes/no)
- Sample size in Final Models:
 - Class 2016: 232 students
 - Class 2015: 255 students
 - Class 2014: 256 students





- ### Conclusions
- Whether or not the student earned AP Stat credit had no relationship on GPA (neither positive, nor negative)
 - **Early in student's career, SAT Math score has strongest relationship to GPA**
 - The relationship between SAT Math score and GPA declines as students progress through university
 - **The relationship between AP Calc credit and GPA declines as students progress through university**
 - The relationship between gender and GPA increases as students progress through university
 - **Quantitative majors (ACCT, FINC, or OPIM) on average have higher Cum GPAs**
 - These factors account for 25% - 35% of the variation in GPA

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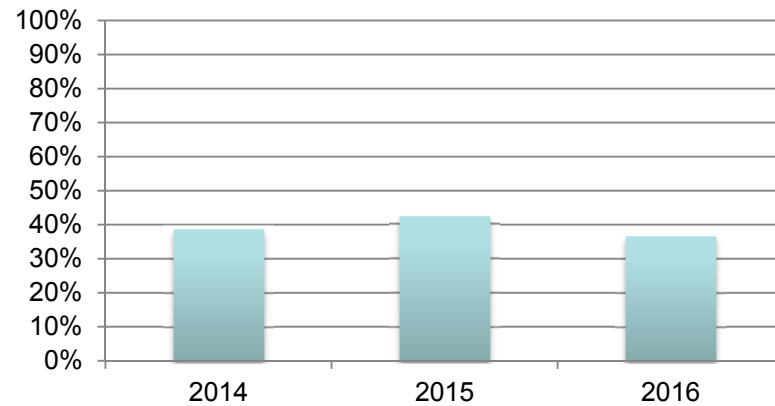
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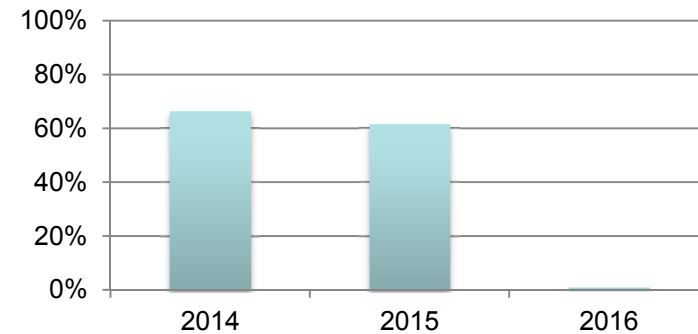
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Demographics of Sample

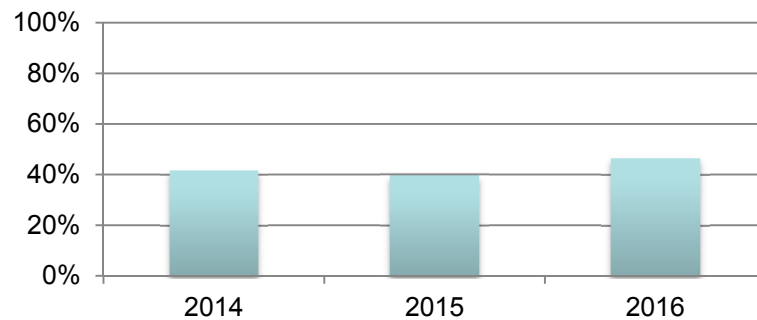
Percentage of Females



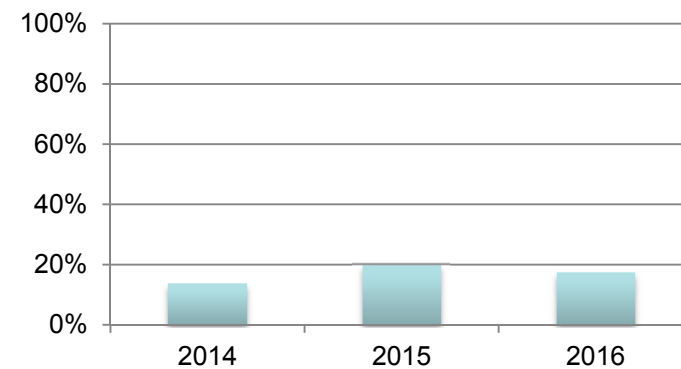
Percentage of Quant Majors



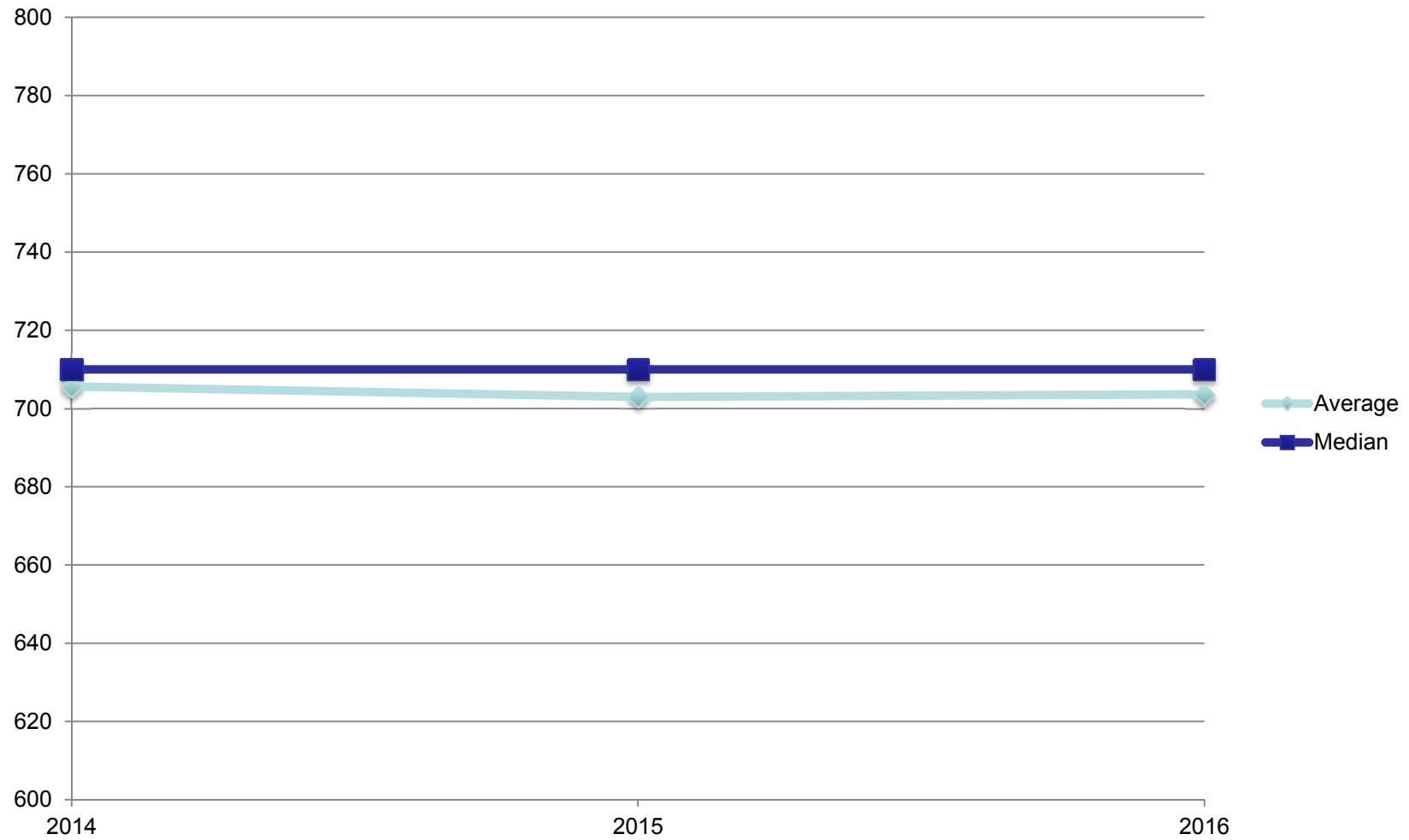
Percentage w/ AP Calc Credit



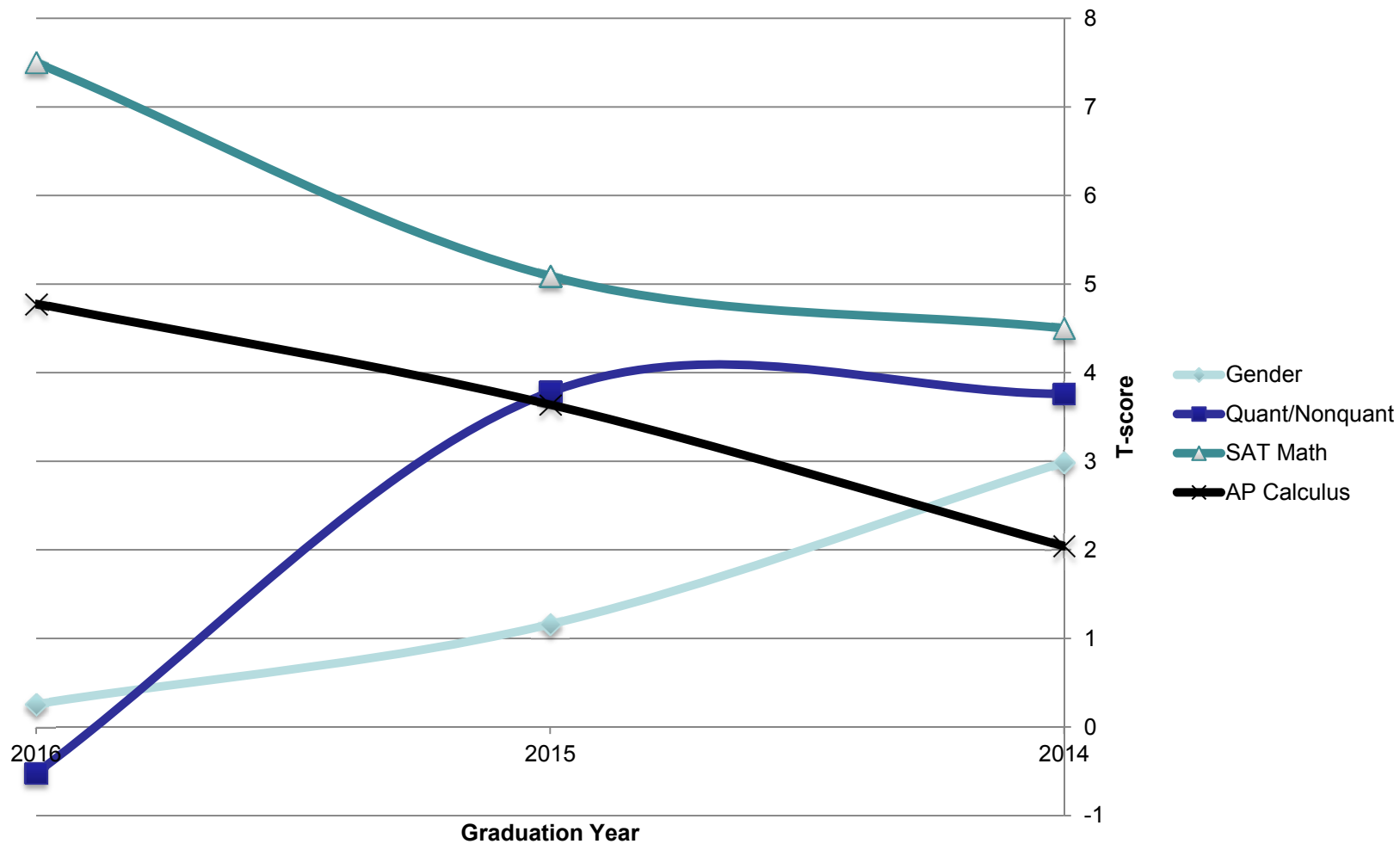
Percentage w/ AP Stat Credit



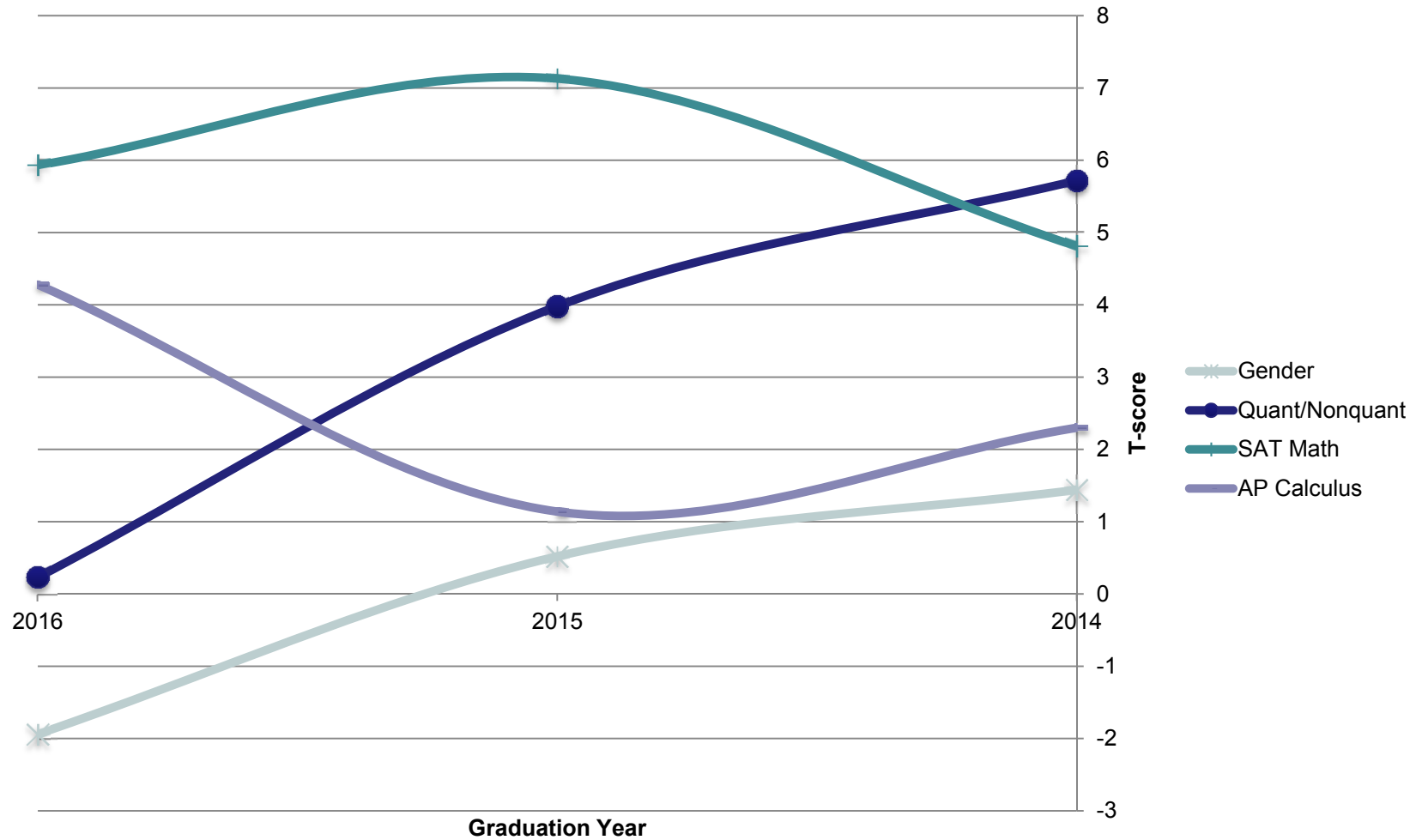
SAT Math Scores



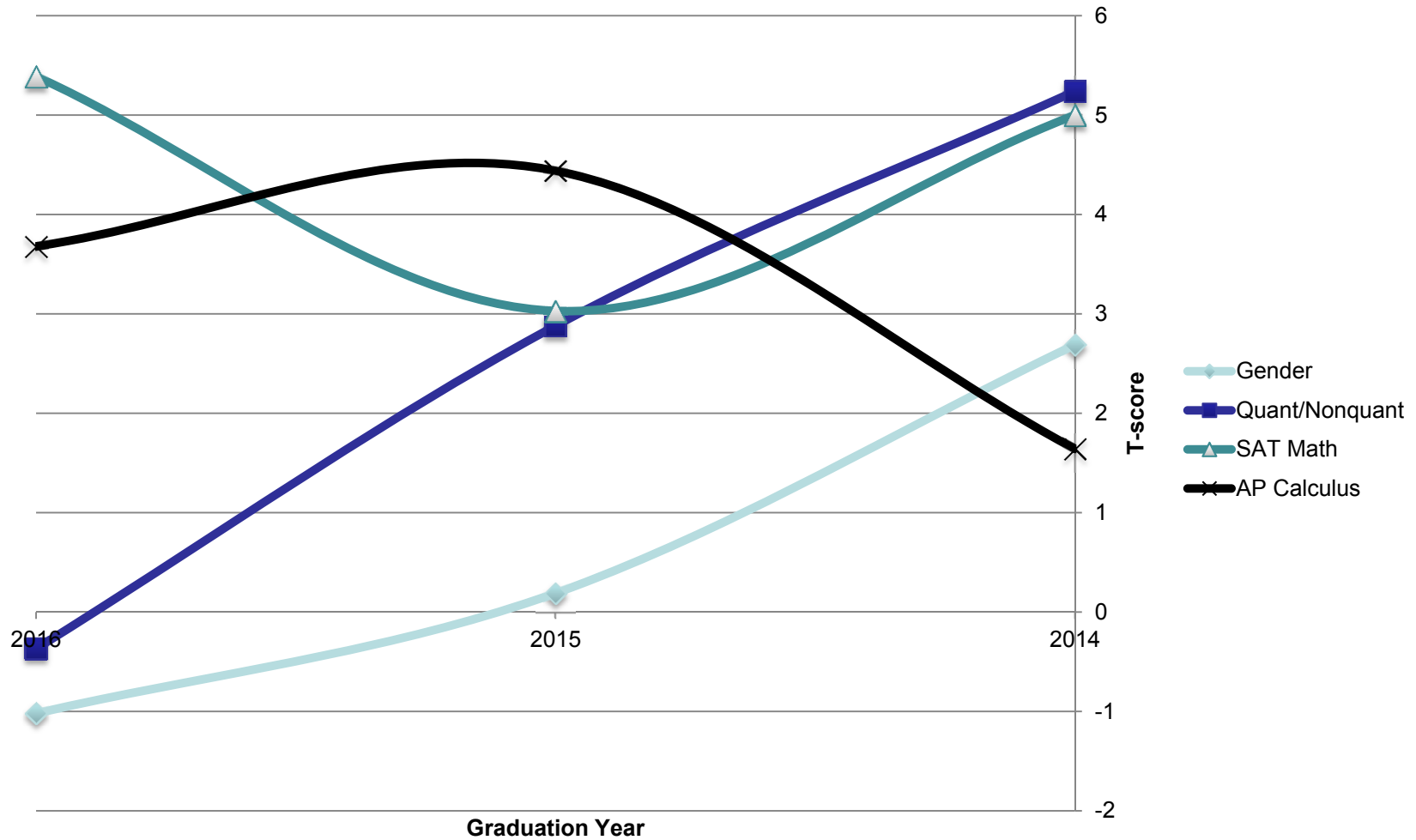
T-scores, Cumulative GPA



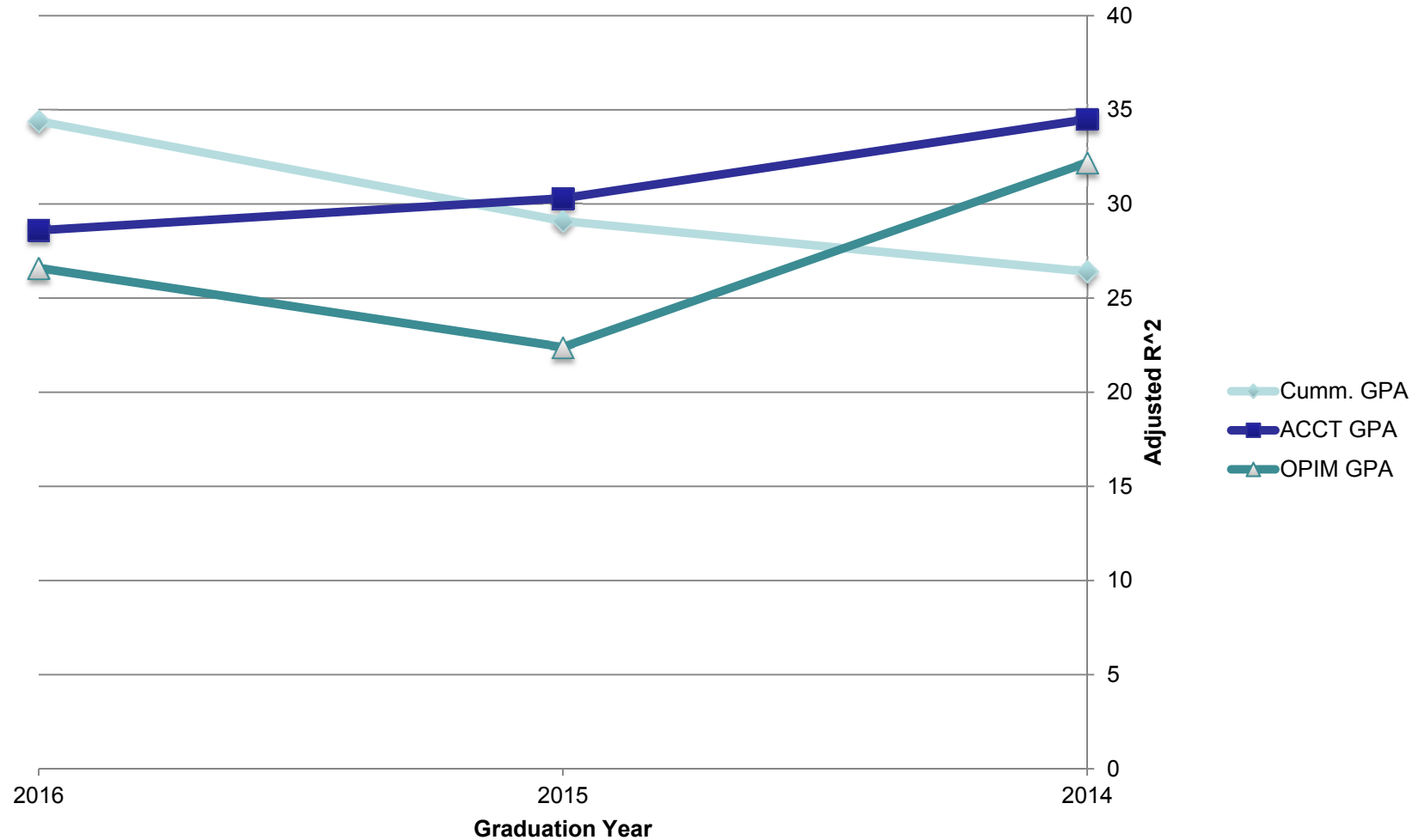
T-scores, ACCT GPA



T-scores, OPIM GPA



R² –adj Values for Final Regression: Quant/non-quant, AP Calc, SAT Math, Gender



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