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Mathematics Department
Pittsburg High School
2017 – 2018

AP Statistics

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Instructor: Chris Leong
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Office Hours: 7:30 – 7:55am

Website: https://sites.google.com/site/leongapstats/

Textbook: Bock, Velleman, and De Veaux (2007). *Stats Modeling the World, 2nd edition*

Course Outline:

Exploring Data	Chapters 1 – 2
Modeling Distributions of Data	Chapter 3
Describing Relationships	Chapters 4 – 5
Designing Studies	Chapters 7 – 9
Probability	Chapters 10 – 11
Random Variables	Chapters 12 – 13
Sampling Distributions	Chapter 14
Estimating with Confidence	Chapters 15, 19
Testing a Claim	Chapters 16, 17, 19
Comparing Two Populations or Groups	Chapters 18, 20, 21
Inference for Distributions of Categorical Data	Chapter 22
More on Regression	Chapter 23

           AP EXAM   TBA

Homework: Assigned daily, due before 8:00am the following day by submission on the
           Seesaw app. **Late homework will not be accepted.**

Tests: There will be 12 unit tests, corresponding to the 12 units from the course outline.
           Each test contains approximately 10 multiple choice questions and 2 – 3 free
           response questions, weighted at 40% and 60% respectively. They are timed tests
           meant to be completed within one class period. You will be provided with all
           necessary formulas and tables. **Makeup exams will be given for excused
           absences, provided that a signed note is presented and the exam is made up
           within three class days after the original exam date.**

Final Exam: 20 multiple choice questions and 3 free response questions, weighted at 50%
           each. This will be administered in class on TBA and TBA. **Any student who
           signs up for and takes the AP Exam is exempt from the final exam.**

Project: This will be assigned after the AP Exam and will be the culminating activity for the course. You will develop your own research question, design a study, and perform a data analysis and inference. You can work independently or with a partner. **This is your last and best chance to demonstrate what you have gained from this course.**

Grading:

Homework	10%
Tests	50%
Final	20%
Project	20%

Letter Grades:

70 – 100	A
57 – 69	B
44 – 56	C
33 – 43	D
0 – 32	F

Remarks: In order to do well in this course you should come to class everyday and actively take notes. Please take advantage of the given office hours; I'm here to help you! You are also encouraged to form study groups to work on homework, study for exams, etc. There will also be reading assigned that corresponds to the material taught in class; it would be very helpful to complete the reading.