



Thomas Jefferson High School for Science and Technology

Research Statistics 3 - Syllabus - Spring-2023

General Course Information									
Teacher Contact Information	Dr. Shane Torbert smtorbert@fcps.edu Dr. Catherine Scott cescott@fcps.edu								
Learning Management System	Class materials and assignments are in Schoology: https://lms.fcps.edu/home								
Office Hours	RS3 tutoring will be on Friday during 8A. You can also email your teacher to schedule an individual appointment.								
Class Schedule	<table border="1"> <thead> <tr> <th>Red Days</th><th>Blue Days</th></tr> </thead> <tbody> <tr> <td>Period 2 - Dr. Torbert</td><td></td></tr> <tr> <td>Period 3 - Dr. Scott</td><td>Period 7 - Dr. Scott</td></tr> <tr> <td>Period 4 - Dr. Scott</td><td></td></tr> </tbody> </table>	Red Days	Blue Days	Period 2 - Dr. Torbert		Period 3 - Dr. Scott	Period 7 - Dr. Scott	Period 4 - Dr. Scott	
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Period 3 - Dr. Scott	Period 7 - Dr. Scott								
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Attendance	Class attendance will be taken every class period.								
Course Overview	<p>Research Statistics 3 is an advanced high school course in statistics.</p> <p>The main units of study will provide exposure to three commonly used types of models—regression, analysis of variance (ANOVA), and logistic regression—but our ultimate goal is not limited to these classes of models. By studying modeling techniques, by practicing the use of models, by comparing models, and by becoming comfortable with statistical computing, we hope that you will feel empowered to build models of many kinds. Critical thinking and written communication skills are greatly emphasized.</p>								
Textbook(s) and Virtual Resources	Textbook “STAT 2: Modeling with Regression and ANOVA, 2 nd Edition” Replacement cost: \$146.99								
End of Course Exams	There will be an end-of-course project that will be the final exam. More details and supporting documents will be available after the AP exams are completed.								
Equity	TJHSST is committed to helping students understand, honor, and value the importance of identity and equity as it relates to their courses and their lives. TJHSST is also committed to acknowledging and celebrating the differences of our community’s members in a culture of inclusivity.								
Digital Citizenship	In order to master the life skills for behaving safely, ethically and responsibly online, students will:								



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and the Virtual Classroom Environment	<ul style="list-style-type: none">work with their parents and teachers to learn how technology is used for learning and to advance their college and career goals.proactively approach their use of technology with empathy, ethics, and a sense of individual, social, and civic responsibility.use technology in a safe and respectful manner.understand their rights and abide by the responsibilities set forth in the FCPS Student Rights and Responsibilities.use technology as described in the FCPS Acceptable Use Policy when at school and when using school resources.follow the rules and expectations set by their parents/caregivers at home.												
Grade Calculations													
General Grading Statements	<p>Assignments will be graded, and grades will be posted in SIS within 7 school days after the due date with the understanding that major projects/papers may require additional time to ensure quality feedback. SIS is the gradebook of record. Students taking the RS2 course in the fall will take the AP exam in May of the spring semester.</p> <p>FCPS Secondary Grading and Reporting website</p>												
Grading Policies	<p><u>Gradebook type:</u> Grades are calculated using a rolling (continuous) gradebook and will be recorded as points and converted to percentages and then to letters for report card grades by dividing the number of points earned by the number of points possible. The Fairfax County grading scale is:</p> <table><tr><td>A (92.5-100) = 4.0</td><td>B+ (86.5-89.4) = 3.3</td><td>C+ (76.5-79.4) = 2.3</td><td>D+ (66.5-69.4) = 1.3</td></tr><tr><td>A- (89.5-92.4) = 3.7</td><td>B (82.5-86.4) = 3.0</td><td>C (72.5-76.4) = 2.0</td><td>D (63.5-66.4) = 1.0</td></tr><tr><td></td><td>B- (79.5-82.4) = 2.7</td><td>C- (69.5-72.4) = 1.7</td><td>F (below 63.5) = 0.0</td></tr></table> <p>Grades will be rounded using standard mathematical rounding convention. For example, 92.5 would round up to an A, while a grade of 92.49 would remain an A-. This class will use a rolling gradebook and total points. No one assignment will greatly impact the overall grade in the course. Grades for individual assignments will be available through Blackboard and SIS.</p> <p><u>Quarter Grades:</u> The quarter grade will be determined by the percentage of points earned out of points assigned. Some example assignments include, reading quizzes, group practice, individual practice, progress checks, and summative assessments.</p> <ul style="list-style-type: none">No one assignment or assessment will count for more than 30% of the total quarter grade.Homework is limited to no more than 10% of the total quarter gradePer grading and reporting, there will be at a minimum 9 grades per quarter. <p><u>Final Grades:</u> The end-of-course grade will be based on a rolling gradebook for daily assignments, which will be worth 80% of the overall grade for the course. The final exam/project will be worth 20% of the overall grade for the course.</p>	A (92.5-100) = 4.0	B+ (86.5-89.4) = 3.3	C+ (76.5-79.4) = 2.3	D+ (66.5-69.4) = 1.3	A- (89.5-92.4) = 3.7	B (82.5-86.4) = 3.0	C (72.5-76.4) = 2.0	D (63.5-66.4) = 1.0		B- (79.5-82.4) = 2.7	C- (69.5-72.4) = 1.7	F (below 63.5) = 0.0
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Grading Policies	
Homework	Many activities including group work will be completed during class time. Each day there will be a short individual assignment that needs to be completed on your own. This is due the class period after it is assigned.
Late Work	<p>Due to the way content knowledge builds from day to day in statistics, it is important to complete all assignments on time. Late work will be accepted for half credit if turned in one day late, otherwise no credit will be given. Please contact your teacher in advance to make arrangements if you know you will be absent and not be able to submit work or take an assessment on time.</p> <p>Please contact your teacher in advance to make arrangements if you know you will be absent and not be able to submit work or take an assessment on time.</p>
Retakes/ Revision	<p>Currently we will not be administering large unit tests that are worth 100 points. If this were to change, students who scored less than 80% on a test would be eligible for one score improvement per quarter. This improvement would be based on a retest. Your replacement grade for the test is equal to the higher grade you received (either your original test score or retest score), but in no event is the replacement grade to exceed 80%. To be eligible, you must complete and turn in test corrections for the test within one week of when the test is returned to the class.</p> <p>*Note: Score improvement does not apply to quizzes, progress checks, cumulative exams, and final exams. Cumulative Tests may be administered at the end of Units 3 and 6 (if we have proctoring software). Any cumulative assessments given are part of the quarter grade, not the final exam grade.</p>
Makeup Policy	If you know you will be absent, please contact your teacher to plan for making-up work. If you unexpectedly miss class, contact your teacher and your group members to plan to complete missed content. If you are absent for one day, you will have a day to submit make-up work. If you need to be absent for an extended amount of time, please contact your teacher to come up with a plan for submitting makeup work.
Honor Code	<p style="text-align: center;"><i>"I will uphold academic and personal integrity in the TJ community."</i></p> <p>As members of the Thomas Jefferson community, we honor academic and personal integrity. We uphold the values of honesty, integrity, respect, and responsibility.</p> <p>If a student feels that there has been an academic integrity violation, they can report it in multiple ways. They can complete a confidential form on ION. If they feel comfortable approaching a staff member (teacher, counselor, grade-level administrator), they may do so as well--keep in mind that this option would not be confidential.</p> <ul style="list-style-type: none"> ● TJHSST Honor Code and Academic Integrity ● FCPS Honor Code Guidelines (Secondary Grading and Reporting)
Student	It is important to the Thomas Jefferson High School faculty and staff that students have the best



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Advocacy Guidelines	possible experience. As such, we have created Advocacy Guidelines for TJ Students to provide guidance and expectations regarding teacher assigned homework, tests, projects and grades. In addition, the guidelines also detail the process when students believe their rights have not been honored. Furthermore, student advocacy includes advocating for student learning, not just due dates.
Safe Assign	The final project is a major writing assignment, you will be required to post your papers on SafeAssign.