



## Thomas Jefferson High School for Science and Technology

### Research Statistics 3 - Syllabus - Spring-2024

General Course Information							
Teacher Contact Information	Dr. Catherine Scott <a href="mailto:cescott@fcps.edu">cescott@fcps.edu</a>						
Learning Management System	Class materials and assignments are in Schoology: <a href="https://lms.fcps.edu/home">https://lms.fcps.edu/home</a>						
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 3 - Dr. Scott</td><td>Period 5 - Dr. Scott</td></tr> <tr> <td>Period 4 - Dr. Scott</td><td>Period 7 - Dr. Scott</td></tr> </tbody> </table>	Red Days	Blue Days	Period 3 - Dr. Scott	Period 5 - Dr. Scott	Period 4 - Dr. Scott	Period 7 - Dr. Scott
Red Days	Blue Days						
Period 3 - Dr. Scott	Period 5 - Dr. Scott						
Period 4 - Dr. Scott	Period 7 - Dr. Scott						
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 emphasized.</p>						
Textbook(s) and Virtual Resources	Textbook “STAT 2: Modeling with Regression and ANOVA, 2 <sup>nd</sup> 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 and the Virtual	In order to master the life skills for behaving safely, ethically, and responsibly online, students will:						



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Classroom Environment	<ul style="list-style-type: none"><li>work with their parents and teachers to learn how technology is used for learning and to advance their college and career goals.</li><li>proactively approach their use of technology with empathy, ethics, and a sense of individual, social, and civic responsibility.</li><li>use technology in a safe and respectful manner.</li><li>understand their rights and abide by the responsibilities set forth in the <a href="#">FCPS Student Rights and Responsibilities</a>.</li><li>use technology as described in the <a href="#">FCPS Acceptable Use Policy</a> when at school and when using school resources.</li><li>follow the rules and expectations set by their parents/caregivers at home.</li></ul>												
Grade Calculations													
General Grading Statements	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. <a href="#">FCPS Secondary Grading and Reporting website</a>												
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"><li>No one assignment or assessment will count for more than 30% of the total quarter grade.</li><li>Homework is limited to no more than 10% of the total quarter grade.</li><li>Per grading and reporting, there will be at a minimum 9 grades per quarter.</li></ul> <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 reading quizzes, group activities will be completed during class time. Each												



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	<p>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.</p>
Late Work	<p>Updates for 2023-24 School Year</p> <ul style="list-style-type: none"> <li>• <b>Late work:</b> The current policy establishes the length of time that teachers must accept late work on <b>major assessments (two weeks)</b> and the maximum deduction for that time period (10%).</li> <li>• <b>Practices around the use of the 50% as a minimum grade:</b> Teachers may give zeroes for assignments that are not turned in.</li> </ul> <p>Due to the way content knowledge builds from day to day in statistics, it is important to complete all assignments on time. <b>Minor Assignments</b> (i.e., classwork, reading quizzes, group activities, progress checks) will be accepted late with a penalty of 50% if submitted within two weeks after the due date. After two weeks, a score of 0 will be recorded. 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>For <b>major assessments</b>, one new opportunity to demonstrate proficiency shall be provided to any student who scores below an 80% and completes corrective action. Midterms and finals are exempt from the retake policy. <b>Major assessments</b> are tasks weighted more than 10% of your grade. Students who scored less than 80% on a major assessment would be eligible for a retest that will be scheduled during 8<sup>th</sup> period. If the student scores lower on the retake, the higher of the two grades will be recorded, but replacement grade will not exceed 80%. To be eligible, you must complete and turn in test corrections for the test <b>within one week</b> of when the test is returned to the class.</p> <p>*Note: Score improvement does not apply to minor assessments (i.e., quizzes, progress checks) midterm and the final exam.</p>
Makeup Policy	<p>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.</p>
Honor Code	<p style="text-align: center;"><b><i>"I will uphold academic and personal integrity in the TJ community."</i></b></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 <a href="#">confidential form</a> 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"> <li>• <a href="#">TJHSST Honor Code and Academic Integrity</a></li> <li>• <a href="#">FCPS Honor Code Guidelines (Secondary Grading and Reporting)</a></li> </ul>
Student Advocacy Guidelines	<p>It is important to the Thomas Jefferson High School faculty and staff that students have the best possible experience. As such, we have created <a href="#">Advocacy Guidelines for TJ Students</a> to provide guidance and expectations regarding teacher assigned homework, tests, projects, and grades.</p>



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	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.