

**College of the Canyons / Syllabus / Math 140 Statistics  
Section #75286 / In-Person Monday & Wednesday Class  
Teachout / Spring 2024 / February 5<sup>th</sup> – May 29<sup>th</sup>**

**Instructor:** Matt Teachout (pronounced “2-Show”)

**Instructor Preferred Pronouns:** He, Him, His

**Instructor Contact Info:** Email Mr. Teachout through Canvas or at [matt.teachout@canyons.edu](mailto:matt.teachout@canyons.edu) if you have any questions. When you email Mr. Teachout, please give your name and the section number of the class. You can meet Mr. Teachout in person during his face-to-face office hours. You can also request a one-on-one zoom meeting with Mr. Teachout.

**Office Hours Spring 2024: (Updated 3/6/24)**

- **Mr. Teachout’s In-Person Office Hours Spring 2024:**
  - Mondays and Wednesdays from 7:25 – 8:25 am Pacific Standard Time in room CCLB-211 on the 2<sup>nd</sup> floor of the Takeda Science Center at the COC Canyon Country campus on Sierra Highway.
  - Tuesdays and Thursdays from 7:25 – 8:25 am Pacific Standard Time in room ATEC-703 next to the Applied Technology Education Center (ATEC) on top of the hill on the south side of the COC Canyon Country campus on Sierra Highway.
- **Mr. Teachout’s Online Office Hours Spring 2024:** Feel free to email Mr. Teachout and request one-on-one zoom tutoring. Mr. Teachout teaches at the Canyon Country campus Monday – Thursday, but available for online zoom appointments at the following times for zoom tutoring.
  - Mondays & Wednesdays: 1:00 pm – 5:30 pm on zoom.
  - Tuesdays & Thursdays: 2:30 pm – 5:30 pm on zoom.
  - Fridays, Saturdays and Sundays: Available for zoom tutoring but hours vary.

**Class Dates:**

Math 140 section #75286 is a face-to-face, in-person class that begins Monday February 5, 2024 and ends Wednesday May 29, 2024. The class meets in room CCLB-211 on the second floor of the Takeda Science Center building at the COC Canyon Country campus on Sierra Highway, Mondays and Wednesdays from 8:25 – 10:50 am Pacific Standard Time.

**Math 140 Description**

Math 140 examines statistical methods including collecting data, bias, experimental design, exploratory data analysis, regression, probability, sampling and theoretical distributions, population estimations, confidence intervals, hypothesis testing, categorical and quantitative association tests and how to use computer-based statistical software.

**Student Learning Outcomes for Math 140**

1. **Apply basic statistical procedures, including the collection, analysis, and reporting of data designed to test a research hypothesis.**
2. **Demonstrate the appropriate use of computer-based statistical software.**

**Drop Policy:** You are responsible for dropping the class if you need to. If you need to drop the class, please process the drop online through MyCanyons or fill out the necessary paperwork and process it in the Admissions office. Here are the drop dates. If you do drop the class, please send an email to Mr. Teachout letting him know.

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**Drop Dates:** Here are the drop dates. It is best to drop by the “drop without a W” deadline.

- **February 19, 2024:** *Last day to drop with refund. Last day to drop without a “W” on your record, and last day to add the class.*
- **May 4, 2024:** *Last Day to Drop (No refund. Will receive a “W” on record.)*  
*NOTE: This is an important drop deadline. It is the last day to drop. The class is almost over. If you are failing the class at this point with many missing assignments, Mr. Teachout may drop you from the class on this date. It is better to get a “W”, than to fail the class.*

**Projects:** There are four group projects in the class. You will pair up with another person in the class. Each group project is worth 12% of your grade for a total of 48% of your overall grade in Math 140. The project due dates are listed on the homework schedule. The projects will be completed throughout the class. There are detailed directions explaining each project. Project#1 is collecting data, project#2 is analyzing the data you collected, project#3 is making confidence intervals from the data you collected, project#4 is performing a hypothesis test from the data your collected. *Notes: No groups can use the same data. Your group will choose your two questions to use for your projects at the beginning of the semester. Each group will collect their own unique columns of data to analyze during the class. Anyone caught cheating, plagiarizing, or having someone else do their project for them, will receive a zero on the project and be reported to the office of the dean of students for disciplinary measures.*

|                                |                 |          |                    |          |
|--------------------------------|-----------------|----------|--------------------|----------|
| <b>Math 140 Grading Scale:</b> | <b>90 – 100</b> | <b>A</b> | <b>60 – 69</b>     | <b>D</b> |
|                                | <b>80 – 89</b>  | <b>B</b> | <b>59 or below</b> | <b>F</b> |
|                                | <b>70 – 79</b>  | <b>C</b> |                    |          |

**Math 140 Grade Summary:**

- **Four Projects: Worth 48% of your overall grade (12% each).**
- **Classwork/Homework Notes & Assignments: Worth 40% of your overall grade.**
- **Cumulative Final Exam: Worth 12% of your overall grade.**
- **Grade Info:** Your Math 140 individual grades and overall grade may be found in the “Grades” menu in the class Canvas shell. If you are not able to access the Canvas shell for the class, you can always ask Mr. Teachout for your grade information.

**Important Class Information**

- **Face-to-Face Meetings:** Math 140 section #75286 is a face-to-face, in-person class that begins Monday February 5, 2024 and ends Wednesday May 29, 2024. The class meets in room CCLB-211 on the second floor of the Takeda Science Center building at the COC Canyon Country campus on Sierra Highway, Mondays and Wednesdays from 8:25 – 10:50 am Pacific Standard Time.
- **Teachout’s Sickness/Mask Policy:** We do not want to spread Covid-19, Flu, or colds to the people in our class. If you are feeling poorly (see symptoms list below), or have been exposed to Covid-19, please do NOT come to class. If you do come to class but are not feeling well, please wear a mask to protect yourself and others in the class.
- **COC Covid-19 Policy:** COC must abide by the Los Angeles County Department of Public Health. Covid-19 information may change throughout the semester as the number of Covid-19 cases rise or fall. Click on the following link for the most up to date information.

<https://www.canyons.edu/administration/pio/notices/index.php>

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· **Canyon Country Campus Covid-19 Testing Location**

**Quad 202A**

**MON-FRI: 8 AM TO 5 PM**

- Walk-Up
- Students & Staff Only
- Appointment not required, but pre-registration recommended.
- Note: Last test administered 30 minutes before closing.

· **Mandatory Covid-19 Reporting**

You must notify the COVID-19 Compliance Team – (661) 993-7670 or email at [covid@streetconsultinggroup.com](mailto:covid@streetconsultinggroup.com) – if you experience COVID-19 symptoms, receive a positive test result, or receive a physician's diagnosis of likely or presumed COVID-19.

• **Monitor for Sickness Symptoms**

Do not enter campus if you have experienced any of the symptoms below in the past 14 days. Contact the COVID-19 Compliance Team: (661) 993-7670 or email at [covid@streetconsultinggroup.com](mailto:covid@streetconsultinggroup.com)

- Fever
  - Cough
  - Shortness of breath or difficulty breathing
  - Fatigue
  - Chills
  - Congestion or runny nose
  - Sore throat
  - New loss of taste or smell
  - Gastrointestinal problems such as nausea, diarrhea or vomiting
  - Muscle or body aches
  - Headaches
- **Student Absence Policy:** If you are feeling poorly, please do NOT come to class. We do not want to spread Covid-19, Flu, or colds to the people in our class. Mr. Teachout will send you make-up lecture videos and what work to do. You can make-up the classwork and homework points by watching the online lecture videos, turning in video notes, and completing the textbook problems assigned.
- **Instructor Absence Policy:** If Mr. Teachout is absent due to illness, you will receive an email letting you know not to come to class as well as an online lecture video to watch and textbook problems to do. You will be required to turn in notes from the lecture videos as well as the textbook problems.
- **Tutoring:** If you need tutoring or help, feel free to attend Mr. Teachout's face-to-face office hours or you can email Mr. Teachout to set up one-on-one zoom tutoring. The COC Tutoring Center (TLC) also offers free tutoring for all COC students. Just go to [canyons.edu/TLC](http://canyons.edu/TLC). You will need your student ID. If you go to TLC, it is important to let the TLC know that you need Math 140 Statistics tutoring.

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- **Textbook is free:** We will be using the free textbook “*Introduction to Statistics for Community College Students* (1<sup>st</sup> edition) by Matt Teachout. A pdf of the complete textbook may be found at the archive.org link below. Individual sections, problems, and data sets may be found on the class home page in Canvas or and at Mr. Teachout’s Website: [matt-teachout.org](http://matt-teachout.org). [https://archive.org/details/intro\\_to\\_stats\\_for\\_community\\_college\\_students\\_by\\_Matt\\_Teachout\\_complete\\_book](https://archive.org/details/intro_to_stats_for_community_college_students_by_Matt_Teachout_complete_book)
- **Class materials:** The free textbook sections and problems may be found on the home page in Canvas or and at Mr. Teachout’s Website: [matt-teachout.org](http://matt-teachout.org). A small flash drive for saving work, 3x5 cards, a small calculator, paper and pencil are recommended.
- **Vocabulary:** In many ways, statistics is a new language. Before you can understand the theory, you will need to know the terms and definitions. It is advisable to make 3x5 cards with the term on one side and the definition on the other. 3x5 cards are great for studying.
- **Laptops and computers:** Statistics requires the use of computer software to create graphs and make difficult calculations. We are meeting in a computer lab, so there are computers available to use. Outside of class, computers are also available for student use in the TLC and in student computer labs. You are also welcome to use your own laptop if you prefer.
- **Free Statistics Computer Software “StatKey”:** We will be primarily using the free statistics analysis program StatKey. StatKey can be accessed at [www.lock5stat.com](http://www.lock5stat.com). StatKey does NOT need to be downloaded and works great on both MAC and PC computers. You will be taught how to use the program during the semester. Homework problems may include pictures of other statistics software programs like Statcato for you to analyze. For these kinds of problems, you will only need to analyze the graph or statistics provided. Do NOT download Statcato. If a computer calculation is needed, you will be calculating with StatKey.
- **Excel:** Class data sets are saved in Excel files. Computers in the TLC and in the classroom have Excel installed. If you want to use your own laptop, it is recommended to have Excel. Excel is freely available for download from your MyCanyons account.
- **ASG Computer Labs:** If you need any printing done during the semester, you can print at the ASG computer labs. **80 pages of B/W and 50 COLOR pages are FREE every week** in the **ASG Computer Labs**. Comparatively, in the Library and TLC, students must **pay for all prints with a credit/debit card**. The ASG computer labs will also continue to offer the **online PRINT ORDER FORM**. You can submit your files to ASG to print and choose curbside or in-person pick-up. The form is located on the ASG webpage. Other services include photocopies, free faxing, and scanning - all part of their **Student Support Fee Benefit** they pay for when registering for classes. Equipment/Software: The ASG computer labs also have PC’s and iMac computers with Microsoft Office and access to SPSS, and Adobe Suite.
  - ASG Computer Lab/Valencia STCN-124:  
Monday - Thursdays: 8:00 am – 5:00 pm  
Fridays: 8:00 am – Noon  
[Valencia Web Page](#)
  - ASG Computer Lab/CCC Building 1B (new location!):  
Monday - Thursdays: 9:00 am – 6:00 pm  
Fridays: 9 am - 1 pm  
[Canyon Country Web Page](#)

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- **Typical Class Day:** The class usually meets twice a week, except for COC holidays. Each day, you will get a lecture from Mr. Teachout and work on problems in class. You will usually finish problems and study material for homework.
- **Time Commitment:** A face-to-face 16-week Math 140 class meets 5 hours per week, not counting homework time. You will probably need an additional 3-5 hours a week to study and complete projects and homework assignments. If you do not have an appropriate number of hours set aside each week to attend class, study, and work on the material, it is best not to take the class.
- **Work Ethic:** It is very important to your success in the class that you do not fall behind too much. Keep up with attending class, working on the problems in the textbook, and completing assignments and projects is vital to passing the class.
- **Classwork/Homework Assignments:** Each day you will get points for taking notes on the lecture and for problems done during class. Homework Assignments are usually to finish problems assigned from the textbook that we did not finish during class and work on projects. All classwork and homework assignments are worth 10 points. Classwork/Homework assignments are worth 40% of your grade in the class.
- **Final Exam:** At the end of the class, there will be a cumulative final exam. The final exam is worth 12% of your grade in the class.
- **Projects:** There are four projects in the class worth 12% each for a total of 48% of your overall grade in the class. There are detailed directions explaining each project. You can also get help from Mr. Teachout.
- **Formulas:** A key part of modern statistics is using technology to solve problems, and not do complicated statistics calculations with formula and calculator. Whenever possible, we will use the statistics software StatKey to calculate statistics and create graphs. Formulas are useful to study so that we can better understand and explain the concepts.
- **Email Needs:** You will need a valid MyCanyons email account that you will regularly check.
- **Canvas:** You will need to be able to access the class Canvas page. There is free access to the textbook as well as project directions.

**COC Campus Resources and Information:** [Campus Resources Guide Link](#)

**Students Needing Accommodations (AAC) :** Students needing special accommodations, including those who had an IEP or 504 Plan in high school, should make requests to the Academic Accommodation Center (AAC) in Seco Hall 103: [AAC@canyons.edu](mailto:AAC@canyons.edu); 661-362-3341. Appointments available at Canyon Country Campus on request. All accommodations require appropriate advance notice to avoid a delay in services. Please discuss approved accommodations with Mr. Teachout so we can work together ensure your access and success at COC. **If AAC has given you an accommodation letter, please email that to Mr. Teachout as soon as possible.**

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**Behavior and Cheating Policy:**

- **COC Code of Conduct:** *I like my classes to have a fun, encouraging environment. I expect you to have a commitment to learning, watch lectures, take good notes, and keep up with your assignments, quizzes and projects. With that being said, I do expect students to abide by the code of conduct in the COC college handbook. Respect one another and do not use profane language during class, in your writing assignments, or in your projects.*
- **Plagiarizing:** *Projects, quizzes and assignments must be done by you. Projects and writing assignments should be in your own words and use the vocabulary used in the textbook and in the lecture videos. Do not copy other students work. Do not plagiarize from other statistics books or statistics articles online. Do not use ChatGPT or other AI to do your work for you. Remember, this is an intro class. ChatGPT and statistics articles online will not answer the questions appropriately with the simple, straightforward language of the class. You are welcome use statements from our textbook or from our lecture videos, as long as you put it in quotes and site where it came from.*
- **Cheating Discipline:** *Anyone caught cheating, plagiarizing (copying another student's assignments or project, or copying online articles), or having ChatGPT or someone else do their work for them, will get a zero on that exam, assignment or project. The information about the cheating episode will also be forwarded to the Office of the Dean of Students, whose personnel will determine what discipline and sanctions are appropriate.*

**Critical Thinking and Growth Mindset:** One of the main goals of math 140 will be to develop real world critical thinking skills. Remember intelligence, critical thinking, and math proficiency are not fixed quantities. Even if you think of yourself as not a math person, you are not stuck in this mindset. Our brains can grow and change. Any student can become a critical thinker. It just takes effort and the belief that we can change. Therefore, there will be “exploring” exercises in almost every class, that help us not only develop critical thinking skills, but will help us understand statistics at a much higher level.

**Canvas and Zoom: Here is some information about Canvas and Zoom.**

- Please see <https://support.zoom.us/hc/en-us/articles/206618765-Zoom-video-tutorials> for some video tutorials on how to use Zoom.
- Canvas: Our course will be using the Canvas course management system to support our teaching and learning goals starting on the first day of the course.
- You can access our course on the first day of class at <https://coc.instructure.com/login/canvasusing> your MyCanyons username as your login. If you have never used Canvas before, your default password is “students”. You are automatically added to the course by the school system as long as you are enrolled in the class.
- After login, click on Dashboard or Courses to locate our class. Then click on the title of our class.
- If you haven't done so already, change your Canvas password.
- From the left menu bar, click on Account → Settings → Edit
- From this window, you can also enter an email address and/or text preferences if you would like to receive text messages for assignments, deadlines, and due dates.
- Then go to Notifications. On this screen, you may edit what you receive from Canvas and the method of contact.
- Click on Account → Notifications. Under Notification Preferences, you can control the method and way Canvas contacts you with reminders of course deadlines and activity. These can be updated/changed at any time.

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- Please also use the following website at <https://www.canyons.edu/academics/onlineeducation/studentssupport/canvasstudentguides.php>. Here, you can also access Canvas user guides with helpful tips for navigating and using Canvas. For any Canvas related issues, please call the Canvas Student Support line at (661)362-3344 during college business hours, or (877)889-9052 for 24/7 support.

**MANAGEMENT OF STRESS AND MENTAL HEALTH:**

- Often the pressure on our students is very strong, involving academic commitments, relationships, outside jobs and family pressure to name a few. The staff and faculty of College of the Canyons are here to see you succeed academically and care about your emotional and physical health. You can learn more about the broad range of confidential student services, including counseling and mental health services available on campus by visiting the Student Health & Wellness Center in the Student Services Building (across from the bookstore) or by clicking on <https://www.canyons.edu/studentsservices/health/index.php>. The phone number is **661-362-3259 that you can call 24/7**. You can also e mail for an appointment at [StudentHealthCenter@canyons.edu](mailto:StudentHealthCenter@canyons.edu). At the Canyon Country Campus the Health Center will be in the new Student Services Building.
  - Also, the **National Suicide & Crisis Lifeline number is now 988**. All students at COC are encouraged to enter that phone number in their cells. You can call it when you, or someone you know, is having thoughts of suicide or is in severe distress.
  - You can also now use the **Crisis Text Line**: Just text “**Courage**” to **741741**. Someone will get back to you immediately. Its free , 24/7, and confidential.
  - Finally, for a great website about mental health and mental health resources in the Santa Clarita Valley Area, you can go to this fabulous website: <https://www.bethedifferencescv.org/>
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