

# Course Syllabus

## ISYE 7406

### Data Mining and Statistical Learning

#### Summer 2026

Professor: Dr. Xiaoming Huo

#### Course Description

An introduction to some commonly used data mining and statistical learning algorithms, such as the K-nearest neighbor (KNN) algorithm, linear methods for regression and classification, tree-based methods, ensemble methods, support vector machine, neural networks, and the K-means clustering algorithm. This course emphasizes understanding the theoretical and statistical aspects of the above-mentioned data mining algorithms as well as the implementation of these algorithms with data examples using statistical software (e.g., R, Python, etc).

#### Prerequisite

- None. ISYE 6414 (regression analysis) or similar is a recommendation from the department. Still, it is not a requirement (as long as a student is willing to spend extra time and effort to pick up what they need in our course on some very basics of regression).

#### Course Goals

At the end of this course, you will learn to:

- Understand the theoretical and statistical aspects of several widely used data mining or statistical learning methods;
- Apply appropriate data mining and statistical learning methods to analyze real-world datasets.

#### Grading Policy

The course grade is based on the following:

- Active Participation (5%) for course participation and peer grading 7 times in the semester, and each time with 3 assignments from fellow classmates. It consists of 4 homework assignments and 3 project products (proposal, presentation, and final written report), including writing constructive peer grading comments and finishing peer assessment timely, i.e., within 4 days after peer grading assignments. This allows you to not only learn from other students but also be ready to provide invaluable critical comments. You might lose points if you are unprofessional during peer grading (e.g., write a very brief comment about the excellent job while it is clearly not).
- Quizzes (20%)

- Total of 4 quizzes, and 5 points per quiz:  $4 \times 5 = 20$  points.
- You have 40 minutes to complete each quiz.
- The quiz questions are closely related to those in weekly knowledge checks since the previous quiz. Note that you can only take each quiz once, but you can take an unlimited number of attempts on the weekly knowledge checks.
- There is no make-up or extension for the quizzes.
- Homework (25%)
  - Total of 4 homework assignments, and 6 points per homework (Homework 3 has 7 points).
  - All students are also expected to conduct a peer review assessment
    - You are expected to write constructive comments to three of your classmates so that students can learn from each other.
    - Rubric/solution sets will be provided for the peer review.
  - The TAs will assign all grades based on their assessment. In particular, the TAs may or may not agree with peer reviews and have the right to discard the peer review grades if necessary. There is no need to complain if you disagree with the peer review comments or grades.
  - If you disagree with the TA's grades or comments, you can leave a private Piazza message, and the lead TAs will review your case and regrade. If you still disagree with the lead TA's decision, the instructor will make a final decision.
  - Due to the class size, we usually don't grant extensions unless the requestors can demonstrate that something beyond their control (such as illness, emergency, etc.) occurred. We would request the requestors to show adequate documents to convince us. Due to the number of possible circumstances, we don't give specific instructions on which type of documentation we would ask for. The requestors can use common sense when choosing documentation. The decision from the instructor and one of the head TAs is considered final.
  - A 10% penalty will be applied every 12 hours for unexcused late submissions. That is, if a submission is between 0 and 12 hours late, we automatically deduct 0.5 out of 5 points; if a submission is between 12 and 24 hours late, we automatically deduct 1 out of 5 points, and so on.
  - Code is mandatory as an Appendix in the report; otherwise, a 20% of the grade (1 point) penalty will be applied.
- Group Project (25%)
  - The detailed guidelines for the group project will be released during week #2
  - 1 – 5 students per group, sign up for one of the pre-created project groups via the "people" tab at Canvas
  - Project Proposal – 3 points, due week #6 11:59 p.m. Eastern. (All students are expected to receive the proposal score if submitted.)

- Project Midterm Report – 8 points, due week #8 11:59 p.m. Eastern.
- Project Written Report – 14 points, due week #10 11:59 p.m. Eastern
- If there are 2 or more teammates, the Peer Evaluation Form within each team needs to be completed (only check, no points - but possibly used to deduct grades for a team member who did not contribute much to the project).
- The TAs will assign the grades based on their own assessment
- All students are also expected to conduct peer review assessment
  - You are expected to write constructive comments on 3 assessments of your classmates so that students can learn from each other.
  - A rubric will be provided for the peer review
- While the same TA will review the group’s proposal, midterm report, and written report, it is likely that different students will be assigned to provide peer review comments on the proposal, midterm report, and written report.
- Code is mandatory as an Appendix in the project written report; otherwise, a 20% grade penalty will be applied.
- Take-Home Final (25%)
  - 25% points (20% Auto-evaluation on prediction accuracy + 5% manual grading on the written file by TAs)
  - A .csv file on the required prediction
  - A (docx or PDF) written file to explain the methods used for the prediction
  - Code is mandatory as an Appendix in the report; otherwise, a 20% penalty (5 points) will be applied.
  - It will be released at 8:00 am on Monday, July 27th, and due back at 11:59 p.m. Eastern on Monday, August 3rd.

Note that the write-up is also part of the grading for data analysis for homework, exams, and the final project.

### Grades

- |                             |                          |
|-----------------------------|--------------------------|
| ● Active Participation      | 5 points (5%)            |
| ● Quizzes (4 x 5 points)    | 20 points (20%)          |
| ● Homework (6+6+7+6 points) | 25 points (25%)          |
| ● Group Project             | 25 points (25%)          |
| ● Take Home Final           | 25 points (25%)          |
| ● <b>Total</b>              | <b>100 points (100%)</b> |

### Criteria for Final Grades

- A grade of “A” corresponds to a percentage grade of 90% or above on all graded work; a grade of “B” corresponds to a percentage grade of 80%-89.999%; a grade of

“C” corresponds to a percentage grade of 70%-79.999%; a grade of “D” corresponds to a percentage grade of 60%-69.999%; and a grade of “F” corresponds to a percentage grade of 59.999% or below.

#### CIOS Incentives

- If the CIOS response rate of this course is above 90%, the cutoffs for each level of the letter grade will be decreased by 1.

#### Timing Policy

- The Modules follow a logical sequence
- Assignments should be completed by their due dates
- Quizzes must be completed during the time allotted
- You will have access to the course content for the scheduled course duration.

#### Attendance Policy

- For the OAN students, this is a fully online course.
- Log in regularly to complete your work so that you do not have to spend a lot of time reviewing and refreshing yourself regarding the content.

#### Student Honor Code

All learners are expected and required to abide by the letter and the spirit of the Georgia Tech honor code.

- Review the Georgia Tech Student Honor Code [www.honor.gatech.edu](http://www.honor.gatech.edu).
- You are responsible for completing your own work.
- Action will be taken against learners violating the Georgia Tech Honor Code.

#### Plagiarism Policy

- Plagiarism is considered a serious offense. You are not allowed to copy and paste or submit materials created or published by others as if you created the materials. All materials submitted and posted must be your own. In particular, no collaboration on the take-home final exam.
- If we find a potential violation of honor codes, we will follow the Academic Misconduct Sanctioning Guidelines Link. [Link](#)

#### Office Hours

- TAs and the instructor hold office hours every day of the week. The schedules are set at the beginning of the semester and will be posted to Piazza once they are final. They are typically unstructured, so we recommend you bring questions or topics you want to discuss with the instructors.

#### Office of Disability Services

We will make accommodations for students with documented disabilities if needed. These accommodations must be arranged in advance and in accordance with the Office of Disability Services (<http://disabilityservices.gatech.edu>).

## Communication

- All discussions will take place in Piazza. General technical questions can be submitted publicly on Piazza, and sensitive or personal requests can be submitted privately via a private chat on Piazza. This will allow the instructor and TAs to work as a team to handle all students' requests and questions in a timely manner.
- All learners should ask questions and answer their fellow learners' questions on the course discussion forum, Piazza. Often, discussions with fellow learners are the source of key pieces of learning.

## Netiquette

- Netiquette refers to the etiquette that is used when communicating on the internet. When you are communicating via discussion forums or synchronously (real-time) or emails, please use correct spelling, punctuation, and grammar that are consistent with the academic environment and scholarship.
- Learners who do not adhere to this guideline may be removed from the course.

## Student-Faculty Expectations Agreement

- At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. The Student-Faculty Expectations Agreement (<https://catalog.gatech.edu/rules/22/>) articulates some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Tentative Course Outline (Most lectures will be released at 8 am on Fridays ET, and most assignments are due at 11:59 p.m. Eastern on Sundays, unless holidays/Institute breaks)

| Weeks    | Course Topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Release Dates                                                                                                                                                                                       |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Week 1   | <p><b>Module 1: Introduction</b></p> <ul style="list-style-type: none"> <li>• Topic 1: Intro. To Data Mining               <ul style="list-style-type: none"> <li>○ Lesson 1: Course Overview</li> <li>○ Lesson 2: Overview of Data Sciences</li> <li>○ Lesson 3: Data Mining Process</li> <li>○ Lesson 4: Introduction to R</li> </ul> </li> <li>• Topic 2: Overview of Supervised Learning               <ul style="list-style-type: none"> <li>○ Lesson 1: Overview of Supervised Learning</li> <li>○ Lesson 2: Cross-Validation</li> <li>○ Lesson 3: KNN</li> <li>○ Lesson 4: Tuning Parameters in KNN</li> </ul> </li> </ul> | Monday, May 18, 2026                                                                                                                                                                                |
| Homework | <b>Homework 1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Monday, May 18, 2026 at 8:00 a.m. Eastern – Sunday, May 31, 2026 at 11:59 p.m. Eastern<br>Peer Assessment: Monday, June 1, 2026 at 9:30 a.m. Eastern – Thursday, June 4, 2026 at 11:59 p.m. Eastern |
| Week 2   | <p><b>Module 2: Linear Regression</b></p> <ul style="list-style-type: none"> <li>• Topic 1: Linear Regression Model               <ul style="list-style-type: none"> <li>○ Lesson 1: Estimation</li> <li>○ Lesson 2: Inference</li> <li>○ Lesson 3: Example: Ball weight</li> <li>○ Lesson 4: Evaluation &amp; Diagnostics</li> <li>○ Lesson 5: Model &amp; Variable Selection</li> <li>○ Lesson 6: Air Pollution Example</li> </ul> </li> </ul>                                                                                                                                                                                  | Friday, May 22, 2026                                                                                                                                                                                |
| Quiz     | <b>Quiz #1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Friday, May 22, 2026 at 8:00 a.m. Eastern – Wednesday, June 3, 2026 at 11:59 p.m. Eastern                                                                                                           |
| Week 3   | <p><b>Module 2: Linear Regression (Cont.)</b></p> <ul style="list-style-type: none"> <li>• Topic 2: Advanced Topic for Linear Regression               <ul style="list-style-type: none"> <li>○ Lesson 1: James-Stein estimator</li> <li>○ Lesson 2: Shrinkage Method</li> <li>○ Lesson 3: Ridge Regression</li> <li>○ Lesson 4: LASSO</li> <li>○ Lesson 5: Principal Components</li> </ul> </li> </ul>                                                                                                                                                                                                                           | Friday, May 29, 2026                                                                                                                                                                                |

| Weeks                   | Course Topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Release Dates                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | <ul style="list-style-type: none"> <li>○ Lesson 6: Partial Least Square</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                         |
| Homework                | <a href="#">Homework 2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Friday, May 29, 2026 at 8:00 a.m. Eastern – Sunday, June 7, 2026 at 11:59 p.m. Eastern<br>Peer Assessment: Monday, June 8, 2026 at 9:30 a.m. Eastern – Thursday, June 11, 2026 at 11:59 p.m. Eastern    |
| Course Project Proposal | Course Project Proposal (Group Assignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Friday, May 29, 2026 at 8:00 a.m. Eastern – Sunday, June 28, 2026 at 11:59 p.m. Eastern<br>Peer Assessment: Monday, June 29, 2026 at 9:30 a.m. Eastern – Thursday, July 2, 2026 at 11:59 p.m. Eastern   |
| Week 4                  | <p><a href="#">Module 3: Linear Classification</a></p> <ul style="list-style-type: none"> <li>• Topic 1: Linear Discriminant Analysis <ul style="list-style-type: none"> <li>○ Lesson 1: Overview of Discriminant Analysis</li> <li>○ Lesson 2: Linear Discriminant Analysis (LDA)</li> <li>○ Lesson 3: QDA and Naïve Bayes Classifiers</li> </ul> </li> <li>• Topic 2: Logistic Regression I <ul style="list-style-type: none"> <li>○ Lesson 1: Logistic Regression: Estimation</li> <li>○ Lesson 2: Optimization in Logistic Regression</li> <li>○ Lesson 3: Simple Logistic Regression</li> </ul> </li> </ul>                                          | Friday, June 5, 2026                                                                                                                                                                                    |
| Quiz                    | <a href="#">Quiz #2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Friday, June 5, 2026 at 8:00 a.m. Eastern – Wednesday, June 17, 2026 at 11:59 p.m.                                                                                                                      |
| Week 5                  | <p><a href="#">Module 3: Linear Classification (Cont.)</a></p> <ul style="list-style-type: none"> <li>• Topic 3: Logistic Regression II <ul style="list-style-type: none"> <li>○ Lesson 4: Example for Logistic Regression (CHD)</li> <li>○ Lesson 5: Prediction in Logistic Regression</li> <li>○ Lesson 6: Model Selection in Logistic Regression</li> </ul> </li> <li>• Topic 4: Case Study: Golf Putting <ul style="list-style-type: none"> <li>○ Lesson 1: Golf Putting by linear regression</li> <li>○ Lesson 2: Golf Putting by Linear Classification</li> <li>○ Lesson 3: Golf Putting by new domain-knowledge-based model</li> </ul> </li> </ul> | Friday, June 12, 2026                                                                                                                                                                                   |
| Homework                | <a href="#">Homework 3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Friday, June 12, 2026 at 8:00 a.m. Eastern – Sunday, June 21, 2026 at 11:59 p.m.<br><a href="#">Peer Assessment: Monday, June 22, 2026 at 9:30 a.m. Eastern – Thursday, June 25, 2026 at 11:59 p.m.</a> |

| Weeks                         | Course Topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Release Dates                                                                                                                                                                                 |
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| Week 6                        | <p><b>Module 4: Local Smoothers and Additive Models</b></p> <ul style="list-style-type: none"> <li>• Topic 1: Local Smoothers and Kernel <ul style="list-style-type: none"> <li>○ Lesson 1: Overview of Local Smoothers</li> <li>○ Lesson 2: LOESS</li> <li>○ Lesson 3: Kernel Smoothing</li> <li>○ Lesson 4: Smoothing for Deterministic Design</li> <li>○ Lesson 5: Smoothing in Stochastic Design</li> <li>○ Lesson 6: Advanced topics in Kernel Smoothing</li> </ul> </li> </ul> <p>[Information on the course project is released this week]</p>                            | Friday, June 19, 2026                                                                                                                                                                         |
| Quiz                          | <b>Quiz #3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Friday, June 19, 2026 at 8:00 a.m. Eastern – Wednesday, July 1, 2026 at 11:59 p.m.                                                                                                            |
| Week 7                        | <p><b>Module 4: Local Smoothers and Additive Models (Cont.)</b></p> <ul style="list-style-type: none"> <li>• Topic 2: Spline Smoothing <ul style="list-style-type: none"> <li>○ Lesson 1: Introduction to interpolation Splines</li> <li>○ Lesson 2: Cubic Spline Smoothing</li> <li>○ Lesson 3: Optimality and Algorithm in Splines</li> </ul> </li> <li>• Topic 3: Additive Models <ul style="list-style-type: none"> <li>○ Lesson 1: Additive Model</li> <li>○ Lesson 2: Generalized Additive Model</li> <li>○ Lesson 3: Case study: Spam Data Example</li> </ul> </li> </ul> | Friday, June 26, 2026                                                                                                                                                                         |
| Homework                      | <b>Homework 4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Friday, June 26, 2026 at 8:00 a.m. Eastern – Sunday, July 5, 2026 at 11:59 p.m.<br><b>Peer Assessment: Monday, July 6, 2026 at 9:30 a.m. Eastern – Thursday, July 9, 2026 at 11:59 p.m.</b>   |
| Week 8                        | <p><b>Module 5: Tree-Based and Ensemble Methods</b></p> <ul style="list-style-type: none"> <li>• Topic 1: Tree-Based method <ul style="list-style-type: none"> <li>○ Lesson 1: Introduction to Tree</li> <li>○ Lesson 2: Growing and Pruning for Regression Tree</li> <li>○ Lesson 3: Classification Tree</li> <li>○ Lesson 4: Practical Issues in Tree</li> <li>○ Lesson 5: Tree method in R</li> <li>○ Lesson 6: Case Study: Tree in R</li> </ul> </li> </ul>                                                                                                                  | Friday, July 3, 2026<br>(Note: July 4th holiday observed on Friday, July 3, 2026. Content will be released, but please plan accordingly.)                                                     |
| Course Project Midterm Report | Course Project Midterm Report (Group Assignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Friday, July 3, 2026 at 8:00 a.m. Eastern – Sunday, July 12, 2026 at 11:59 p.m.<br><b>Peer Assessment: Monday, July 13, 2026 at 9:30 a.m. Eastern – Thursday, July 16, 2026 at 11:59 p.m.</b> |
| Week 9                        | <p><b>Module 5: Tree-Based and Ensemble Methods (Cont.)</b></p> <ul style="list-style-type: none"> <li>• Topic 2: Ensemble Methods</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                    | Friday, July 10, 2026                                                                                                                                                                         |

| Weeks                         | Course Topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Release Dates                                                                                                                                                                                                                                                                                     |
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|                               | <ul style="list-style-type: none"> <li>○ Lesson 1: Introduction to Ensemble Methods</li> <li>○ Lesson 2: Bayes Model Averaging &amp; Stacking</li> <li>○ Lesson 3: Bootstrapping</li> <li>○ Lesson 4: Bagging Techniques</li> <li>○ Lesson 5: Random Forest</li> <li>○ Lesson 6: R Lab: Random Forest</li> <li>● Topic 2: Ensemble Methods (cont.) <ul style="list-style-type: none"> <li>○ Lesson 7: Introduction to Boosting</li> <li>○ Lesson 8: AdaBoosting</li> <li>○ Lesson 9: A Statistical View of AdaBoosting Algorithm</li> <li>○ Lesson 10: General Boosting Algorithm</li> <li>○ Lesson 11: Boosting Algorithm in R</li> <li>○ Lesson 12: R Lab for Boosting</li> </ul> </li> </ul>                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                   |
| Week 10                       | <p><b>Module 6: Advanced Supervised Learning</b></p> <ul style="list-style-type: none"> <li>● Topic 1: Support Vector Machine in Linear scenario <ul style="list-style-type: none"> <li>○ Lesson 1: Introduction to Support Vector Machine</li> <li>○ Lesson 2: Maximum Margin Optimization for SVM</li> <li>○ Lesson 3: SVM for Linearly Separable</li> <li>○ Lesson 4: Slacking variables for SVM</li> <li>○ Lesson 5: Optimization for SVM</li> <li>○ Lesson 6: SVM for Linearly Non-separable</li> </ul> </li> <li>● Topic 2: Support Vector Machine in nonlinear scenario <ul style="list-style-type: none"> <li>○ Lesson 1: SVM for General Non-linear scenario</li> <li>○ Lesson 2: Linearization by Kernel Function</li> <li>○ Lesson 3: SVM in the General Nonlinear Case</li> <li>○ Lesson 4: Regularization framework for SVM</li> <li>○ Lesson 5: Support Vector Regression and Multi-class SVM</li> <li>○ Lesson 6: R lab</li> </ul> </li> </ul> | Friday, July 17, 2026                                                                                                                                                                                                                                                                             |
| Quiz                          | Quiz #4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Friday, July 17, 2026 at 8:00 a.m. Eastern – Wednesday, July 29, 2026 at 11:59 p.m.                                                                                                                                                                                                               |
| Course Project Written Report | Course Project Written Report (Group Assignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Friday, July 10, 2026 at 8:00 a.m. Eastern –<br><b>Sunday, July 26, 2026 at 11:59 p.m. Eastern</b><br>Peer Assessment: <b>Monday, July 27, 2026 at 9:30 a.m. Eastern – Thursday, July 30, 2026 at 11:59 p.m.</b><br>Peer Evaluation of Teammates within the project group, if applicable: Monday, |

| Weeks   | Course Topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Release Dates                                                                             |
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|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | July 27, 2026 at 9:30 a.m. Eastern – Thursday, July 30, 2026 at 11:59 p.m.                |
| Week 11 | <p><b>Module 6: Advanced Supervised Learning (Cont.)</b></p> <ul style="list-style-type: none"> <li>• Topic 3: Neural Networks <ul style="list-style-type: none"> <li>○ Lesson 1: Introduction to Neural Networks</li> <li>○ Lesson 2: Backpropagation Algorithm</li> <li>○ Lesson 3: Fitting Neural networks</li> <li>○ Lesson 4: Deep Neural Networks</li> <li>○ Lesson 5: R Lab 1</li> <li>○ Lesson 6: R Lab 2</li> </ul> </li> </ul> <p><b>Module 7: Unsupervised Learning</b></p> <ul style="list-style-type: none"> <li>• Topic 1: Cluster Analysis <ul style="list-style-type: none"> <li>○ Lesson 1: Introduction to Unsupervised Learning</li> <li>○ Lesson 2: K-means Algorithm</li> <li>○ Lesson 3: Example for K-means</li> <li>○ Lesson 4: Kernel K-means</li> <li>○ Lesson 5: R lab: K-means</li> <li>○ Lesson 6: EM Algorithm</li> </ul> </li> </ul> | Friday, July 24, 2026                                                                     |
| Week 12 | Final Exam (Take Home)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Monday, July 27, 2026 at 8:00 a.m. Eastern – Monday, August 3, 2026 at 11:59 p.m. Eastern |

#### Course Materials/Textbook

- All content and course materials can be accessed online
- There is no required textbook for this course; however, “An Introduction to Statistical Learning” is highly recommended and is available for free at <https://www.statlearning.com/>.

#### Technology/Software Requirements

- Internet connection (DSL, LAN, or cable connection desirable)
- Adobe Acrobat PDF reader (free download; see <https://get.adobe.com/reader/>)