Welcome to Metis Live Online!

The Immersive Course Model

METIS

1. Training
2. Repetition
3. Culture & Community

1. Training

METIS

Summary

Metis immersive courses are built around measurable learning objectives which are put into practice by real-world data projects and frequently assessed throughout the course.

Completion Requirements

In order to successfully complete the course, students are required to:

- Complete a project with a score of 15 or above (refer to the project introduction and project success guide)
- ▶ Pass two multiple-choice assessments on the course learning objectives (click to expand)

Measurable Learning Objectives

Web Scraping

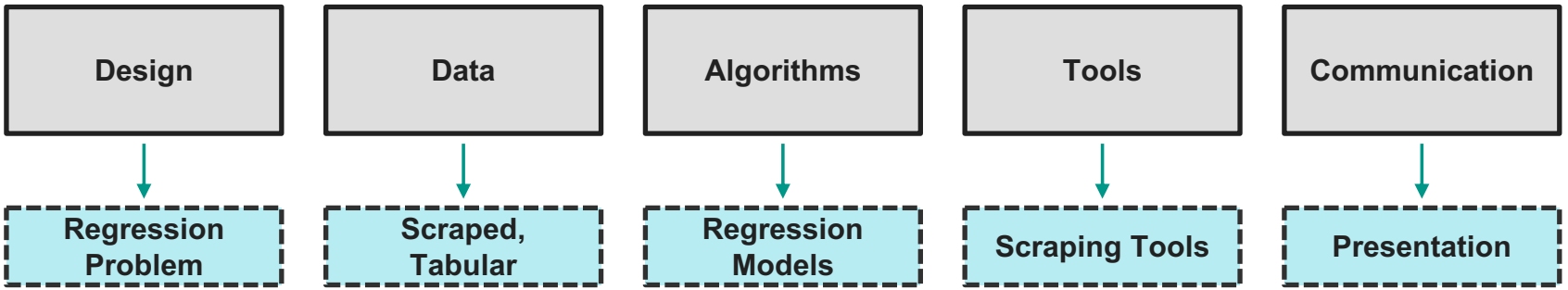
1. Correctly describe the purpose and applications of python scraping libraries, including their respective strengths and limitations.
2. Demonstrate proficiency in web scraping syntax, successfully leveraging it to navigate HTML hierarchy and extract information from it.

Put into Practice by Projects

Regression Course Project Introduction

Summary:

Using data scraped from a website, build linear regression models that address a useful prediction and/or interpretation problem in any domain of interest such as movies or sports. Communicate your process and findings in a 5 minute presentation (to the entire class at the end of week 2) and a short written description.



And Frequently Assessed

Daily Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	• Machine Learning Intro • Linear Regression Theory Intro • Project Introduction • Regression Project Workflow	• Pair: html • Web Scraping BeautifulSoup • Linear Regression Evaluation • Data Types	• Pair: regex • Web Scraping Selenium • Linear Regression Code Intro **Project Proposal / Scope Meeting** Due EOD	• Pair: linear regression practice • Bias-variance tradeoff • Cross Validation **Assessment Part 1**	• Pair: noise • Feature Engineering Regression
Week 2	• Pair: regression + feature practice 1 • Regularization **Finalize Scraping over weekend**	• Pair: lasso practice • Linear Regression Assumptions • Time Series **MVP Due EOD**	• Pair: regression + feature practice 2 • Stochastic Gradient Descent **Assessment Part 2**	• Pair: regression model review • Project Prep	**Slides, Writeup, Code** Due 9:00 am, Presentation Day

2. Repetition

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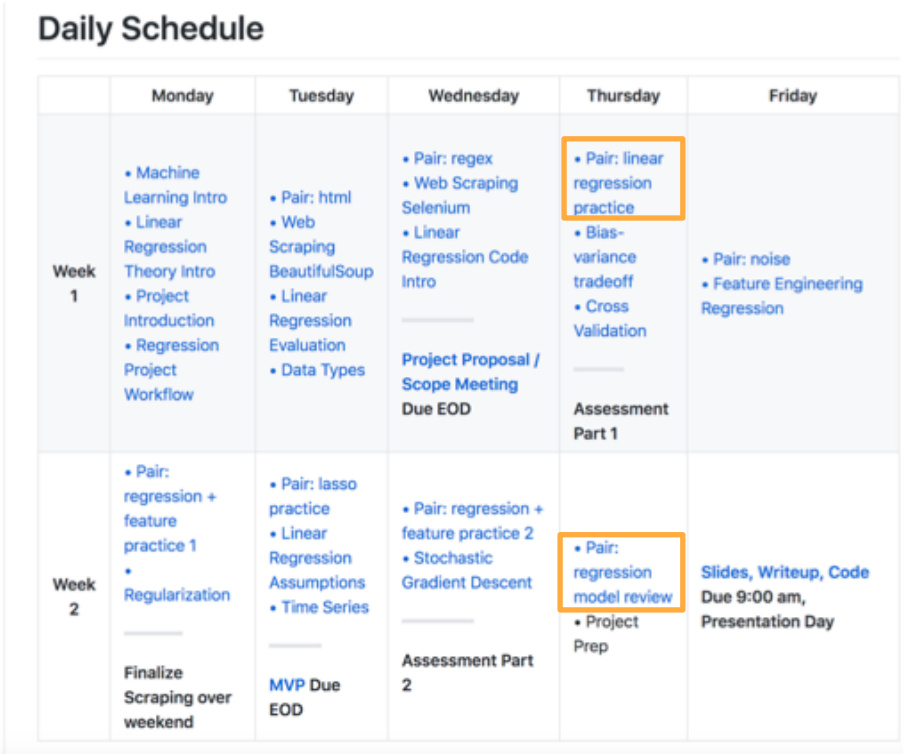
Repetition: Review-Oriented Schedule



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- Focus on practicing techniques
- Focus on reinforcing new concepts

Repetition: Consistency Across Courses

Metis immersive courses are consistent in structure and requirements

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Daily Schedule

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Week 1	• KNN Classification • Project Introduction • Classification Workflow	• Pair: Nearest Wookiee Neighbors • Logistic Regression	• Pair: Logistic • Classification Metrics • MLE (optional) • GLM (optional) **Project Proposal / Scope Meeting Due EOD**	• Pair: Classification Metrics • Classification And Regression Trees **Assessment Part 1**	• Pair: Bootstrap • Feature Engineering Classification **Finalize Data Acquistion by EOD**
Week 2	• Pair: Factorial • Class Imbalance • Ensembling	• Pair: Boost • XGBoost **MVP Due EOD**	• Pair: Coins • Bayes Theorem • Naive Bayes • Model Complexity (optional) **Assessment Part 2**	• Pair: Models • Model Linearity (optional) • Project Prep	**Slides, Writeup, Code Due 9:00 am, Presentation Day**

3. Culture, Community, & Resources

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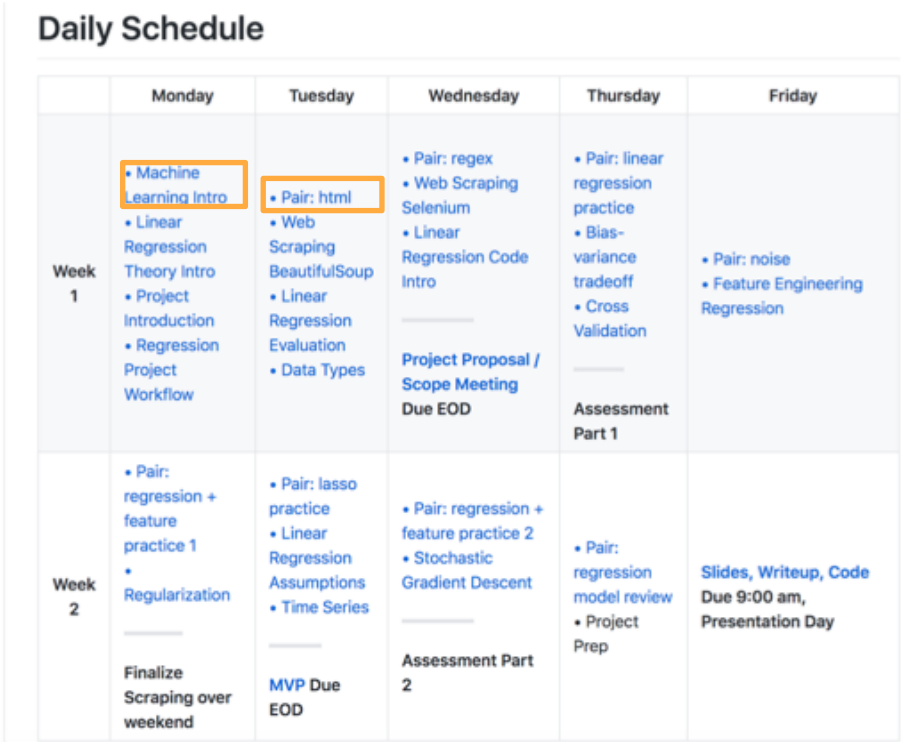
During a Metis course, you will have...

- Focused Time
- Peer & Community Support
- Experienced Instructors
- Industry Leading Curriculum

Instructor and Peer Collaboration



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- Daily live instruction
- Daily pair programming exercise with peers
- Daily instructor support for 1-1 help

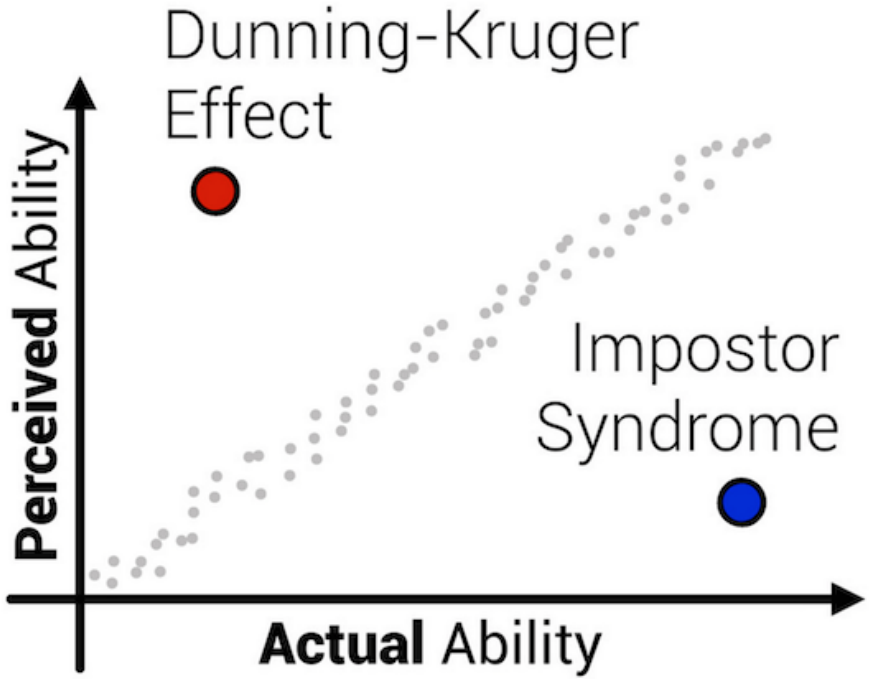
Culture: Overcoming Obstacles

You must overcome two things:

1. Imposter Syndrome

2. Perfectionism

Culture: Imposter Syndrome



Culture: Imposter Syndrome

You must overcome two things:

1. Imposter Syndrome

Collaboration

Communication

2. Perfectionism

Culture: Perfectionism

You must overcome two things:

1. Imposter Syndrome

Collaboration

Communication

2. Perfectionism

Unfairly short deadlines

Jumping into the unfamiliar

Community: Becoming a Data Professional

Mixture of individual and collaborative work

Instructors, Program Manager

Career Advisor support and hiring partners (for those doing a Bootcamp track)

Metis alumni network

“The classroom instruction, project work, and resources offered through the career counseling and continued alumni support is invaluable. I was exhausted every day, but I woke up looking forward to every day.”

– Metis Alumni