



METIS

**Welcome to Metis
Live Online!**

The Immersive Course Model

METIS



1. Training
2. Repetition
3. Culture & Community



1. Training

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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.

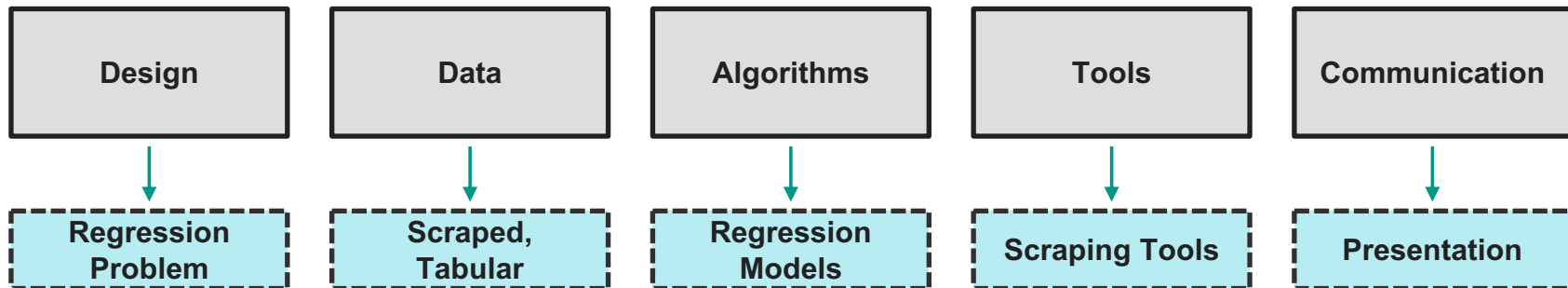
Put into Practice by Projects



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 | <ul style="list-style-type: none">• Machine Learning Intro• Linear Regression Theory Intro• Project Introduction• Regression Project Workflow | <ul style="list-style-type: none">• Pair: html• Web Scraping BeautifulSoup• Linear Regression Evaluation• Data Types | <ul style="list-style-type: none">• Pair: regex• Web Scraping Selenium• Linear Regression Code Intro <hr/> Project Proposal / Scope Meeting Due EOD | <ul style="list-style-type: none">• Pair: linear regression practice• Bias-variance tradeoff• Cross Validation <hr/> Assessment Part 1 | <ul style="list-style-type: none">• Pair: noise• Feature Engineering Regression |
| Week 2 | <ul style="list-style-type: none">• Pair: regression + feature practice 1• Regularization <hr/> Finalize Scraping over weekend | <ul style="list-style-type: none">• Pair: lasso practice• Linear Regression Assumptions• Time Series <hr/> MVP Due EOD | <ul style="list-style-type: none">• Pair: regression + feature practice 2• Stochastic Gradient Descent <hr/> Assessment Part 2 | <ul style="list-style-type: none">• Pair: regression model review• Project Prep | Slides, Writeup, Code Due 9:00 am, Presentation Day |



2. Repetition

METIS

Repetition: Review-Oriented Schedule



Daily Schedule

| | Monday | Tuesday | Wednesday | Thursday | Friday |
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| Week 2 | <ul style="list-style-type: none">• Pair: regression + feature practice 1• Regularization <hr/> <p>Finalize Scraping over weekend</p> | <ul style="list-style-type: none">• Pair: lasso practice• Linear Regression Assumptions• Time Series <hr/> <p>MVP Due EOD</p> | <ul style="list-style-type: none">• Pair: regression + feature practice 2• Stochastic Gradient Descent <hr/> <p>Assessment Part 2</p> | <ul style="list-style-type: none">• Pair: regression model review• Project Prep | <p>Slides, Writeup, Code Due 9:00 am, Presentation Day</p> |

● 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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| Week 1 | <ul style="list-style-type: none">KNN ClassificationProject IntroductionClassification Workflow | <ul style="list-style-type: none">Pair: Nearest Wookiee NeighborsLogistic Regression | <ul style="list-style-type: none">Pair: Logistic Classification MetricsMLE (optional)GLM (optional) <hr/> <p>Project Proposal / Scope Meeting Due EOD</p> | <ul style="list-style-type: none">Pair: Classification MetricsClassification And Regression Trees <hr/> <p>Assessment Part 1</p> | <ul style="list-style-type: none">Pair: BootstrapFeature Engineering Classification <hr/> <p>Finalize Data Acquisition by EOD</p> |
| Week 2 | <ul style="list-style-type: none">Pair: FactorialClass ImbalanceEnsembling | <ul style="list-style-type: none">Pair: BoostXGBoost <hr/> <p>MVP Due EOD</p> | <ul style="list-style-type: none">Pair: CoinsBayes TheoremNaive BayesModel Complexity (optional) <hr/> <p>Assessment Part 2</p> | <ul style="list-style-type: none">Pair: ModelsModel Linearity (optional)Project Prep | <p>Slides, Writeup, Code Due 9:00 am, Presentation Day</p> |

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 office hours for 1-1 help

Culture: Overcoming Obstacles

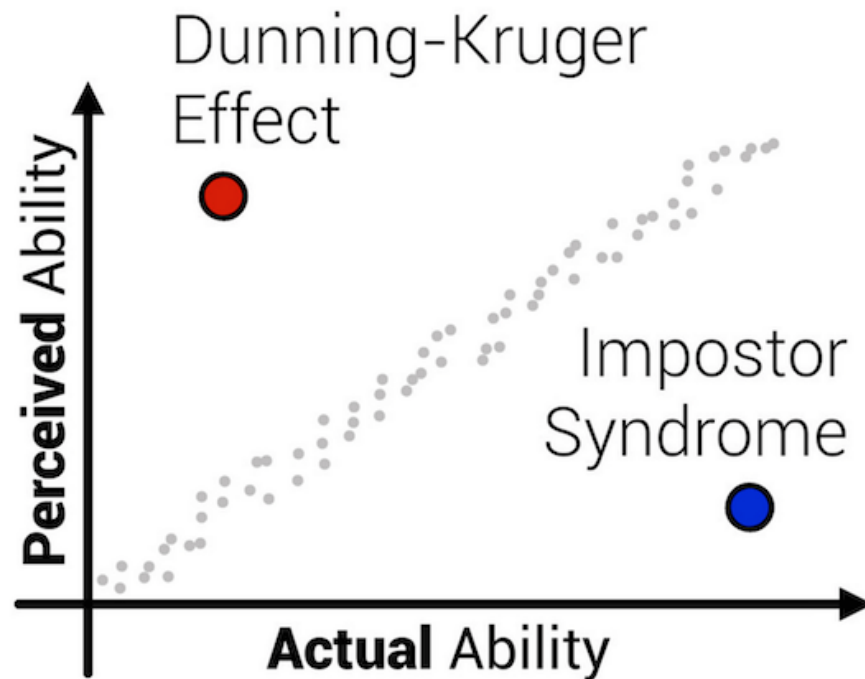


You must overcome two things:

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 (for those doing a Bootcamp track)

Hiring partners

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