UNIT	MODULE	MIN HOURS	MAX HOURS
WEEK 1		**6.83**	**11.17**
Introduction		**2.00**	**2.17**
	Demystifying Data Science	0.67	0.67
	Start Thinking About Your Capstone Project	1.33	1.50
Your Job Search Strategy		**4.08**	**8.17**
Core Resources for Learning R			
	Anatomy of a tech company - Michelle Lai	1.00	2.00
	The Job Search Funnel	0.08	0.17
	The Mindset of a Successful Job Seeker	0.08	0.17
	Land Any Job You Want: How Successful People Think Differently	0.25	0.50
	Common Mistakes That Job Seekers Make	0.08	0.17
	What does a Good Portfolio look like?	0.08	0.17
Create (Or Update) Your Linked Profile			
	What makes a Linkedin Profile great?	0.17	0.33
	Write the Perfect Linkedin Summary	0.17	0.33
	Five Examples of Great Linkedin Summaries	0.17	0.33
	Mini-Project: Update your Linkedin Profile	2.00	4.00
	Schedule your 20-minute Job search Strategy Call with your Career Coach	0.00	0.00
Programming Bootup		**6.50**	**9.25**
	Get Anaconda	0.17	0.17
	Python, Of Course!	0.50	0.50
	4 Python Build-in Help Functions You Should Know	0.08	0.17
	Elective: Brush up your Python with DataCamp	0.00	0.00
WEEK 2		**10.00**	**13.67**
Programming Bootup (Cont'd)			
Jupyter Notebook			
	Get Started with Jupyter Notebook	0.33	0.33
	How to Run Code in Jupyter Notebook	0.17	0.17
	A Video Walkthrough on How to Use the Jupyter Notebook	0.33	0.33
	Regular Expressions in Python	0.50	1.00
	Pandas - Quick Intro	0.50	0.50
Matplotlib			
	Basic plotting, default settings, and formatting	1.00	2.00
	Practice Commonly Used Plot Types	0.50	0.50
	A Quick Tutorial on Seaborn	0.33	0.50
Git and Github			
	Start Your Github Profile	1.00	2.00
	Submit a Link to Your Github Profile	0.08	0.08
	Submit Your Capstone Project Proposal	1.00	1.00
Data Wrangling		**19.75**	**23.25**
Pandas Deep Dive			
	Download Source Files	0.25	0.25
	Watch the Video and Code Along	4.00	5.00
WEEK 3		**9.00**	**10.00**

Data Cleaning with Pandas			
	Other People's Messy Data	0.50	0.50
	Working with Missing Data	0.50	0.50
Working with Data in Files			
	Practice Working with Different File Formats	0.50	0.50
	Work on JSON Based Data Exercises and Submit on Your Github	1.50	1.50
	Working with XML Files in Python	0.50	0.50
	Work on XML-based Data Exercises and Submit on Your Github	1.50	1.50
Working with Data in Databases			
	Mode Analytics: Learn SQL	4.00	5.00
WEEK 4		**9.17**	**12.33**
Working with Data in Databases (Cont'd)			
	Mode Analytics: Analytics Training	2.00	4.00
	Submit a Link to Your Mode Analytics Case Study	0.50	0.50
	Overview of NoSQL Databases	2.00	0.50
	Capstone Project 1: Data Wrangling	2.00	3.00
Effective Networking 1: Build Your Network		**1.17**	**2.33**
	How to Use Meetups to Build Your Network	0.08	0.17
	The Best Email Scripts for Cold Emailing	0.08	0.17
	Mini-Project: Find and Go To a Data Science Meetup	1.00	2.00
Data Story		**9.50**	**16.00**
Core Resources for Data Story			
	Exploratory Data Analysis	1.50	2.00
WEEK 5		**8.00**	**14.00**
Core Resources for Data Story (Cont'd)			
	Storytelling and Effective Communication	1.50	2.00
	Effective Presentations	1.50	2.00
	Work on Data Story	5.00	10.00
WEEK 6		**9.00**	**14.00**
Inferential Statistics		**16.75**	**27.67**
Basic Statistical Inference			
	Statistical Inference with Computational Methods - Allen Downey	4.00	6.00
A Deeper Dive into Hypothesis Testing - Khan Academy			
	Khan Academy: Confidence Intervals (One Sample)	1.00	2.00
	Khan Academy: Significance Tests (One Sample)	2.00	3.00
	Khan Academy: Significance Tests and Confidence Intervals	2.00	3.00
WEEK 7		**7.75**	**13.67**
	Khan Academy: Inference for Categorical Data	1.00	2.00
Exploratory Data Analysis Projects			
	EDA: Human Body Temperature	1.50	1.50
	EDA: Examine Racial Discrimination	1.00	1.00
	EDA: Reduce Hospital Readmissions	2.00	2.00
Regression and Correlation			
	Regression: Khan Academy	2.00	2.00
	Capstone Project 1: Inferential Statistics	0.00	

A/B Testing			
	Introduction to A/B testing	0.08	5.00
	A/B Testing with websites	0.17	0.17
Additional Resources			
WEEK 8		**5.00**	**10.00**
Capstone Milestone Report		**5.00**	**10.00**
	Submit your Capstone Milestone Report	5.00	10.00
WEEK 9		**7.75**	**11.75**
Effective Networking 2: Informational Interviews		**1.75**	**2.75**
	Ramit Sethi - Improve Your Social Skills in 30 Minutes or Less	0.50	0.75
	How to be a Baddass at Informational Interviews	0.75	1.00
	Ramit Sethi - How to Turn Any Meeting into a Lasting Relationship	0.50	1.00
	Mini-Project: Informational Interviews	0.00	0.00
	Schedule a Check-in Call with Your Career Coach	0.00	0.00
Machine Learning		**21.00**	**33.00**
Supervised Learning		0.00	
	Bias and Regression	2.00	3.00
	Regression (contd)	2.00	3.00
	Classification, kNN, Cross-validation, Dimensionality Reduction	2.00	3.00
WEEK 10		**9.00**	**14.00**
	Linear Regression Mini-Project: Boston Housing	2.00	3.00
	Logistic Regression: Heights and Weights	1.00	2.00
	SVM and Evaluation	2.00	3.00
	Decision Trees and Random Forests	2.00	3.00
	Elective: Ensemble Methods	0.00	0.00
	Bayes Theorem and Bayesian Methods	2.00	3.00
WEEK 11		**6.00**	**10.00**
	Tutorial: Sentiment Classification using scikit-learn	0.00	0.00
	Naive Bayes: Predicting movie ratings from reviews	1.00	2.00
	Best Practices in Supervised Learning	2.00	3.00
Unsupervised Learning			
	Clustering	2.00	3.00
	Tutorial: Clustering with scikit-learn	0.00	0.00
	Clustering: Customer Segmentation	1.00	2.00
	Elective: Anomaly Detection	0.00	0.00
Additional Scikit-learn resources		0	0
WEEK 10 & Week 11		**20.00**	**30.00**
Capstone Project 1: Final Submission		**20.00**	**30.00**
	Complete & Submit Capstone Project	20.00	30.00
WEEK 12		**4.58**	**14.67**
Find the Right Job Title and Companies		**4.58**	**14.67**
The Right Job Title			
	How to Find the Right Job Titles	0.08	0.17
	Mini-Project: Find 2-3 Job Titles	2.00	6.00
The Right Companies			

	How to Find the Right Companies	0.17	0.17
	Mini-Project: Identify 40-50 Companies that You're Interested In	2.00	8.00
	Track Companies using this Spreadsheet TEmplate	0.00	0.00
	Schedule a 20-minute Call with Your Career Coach to Review	0.33	0.33
WEEK 13		**6.00**	**11.50**
Advanced Topics in Machine Learning		**13.00**	**21.50**
	Submit 3 Ideas for your Second Capstone Project	1.00	4.00
Recommendation Systems			
	Recommendation Systems	2.00	3.00
	Tutorial: Building a Recommendation System in Python	1.00	1.50
	Anomaly Detection	2.00	3.00
WEEK 14		**7.00**	**10.00**
	Practical Time Series Modeling and Analysis	1.00	2.00
	Modern NLP in Python	2.00	3.00
	A Gentle Introduction to Neural Networks and Making Your own with Python	1.00	2.00
	Density-Based Clustering Methods in Python	2.00	2.00
	Submit your Capstone Project Proposal	1.00	1.00
WEEK 15		**7.17**	**14.83**
Create (Or Update) Your Data Science Resume		**3.17**	**5.83**
	Will Stanton: Creating a Data Science Resume	0.17	0.33
	Mini-Project: Create a Data Science Resume using Creddle.io	2.00	4.00
	Update your Linkedin Profile	0.50	1.00
	Schedule a 30-minute Resume Review Call with your Career Coach	0.50	0.50
Advanced Data Visualization		**4.00**	**9.00**
	Getting Started with Bokeh	2.00	4.00
	Introduction to D3.js	2.00	5.00
	Stay Up-to-Date with this Weekly Newsletter	0.00	0.00
WEEK 16		**5.50**	**12.00**
Capstone Project 2: Milestone Report		**5.00**	**10.00**
	Submit your Capstone Milestone Report	5.00	10.00
Get Interviews using your Network		**0.50**	**2.00**
	80000 Hours: How to Get a Job (Stage 1: Leads)	0.50	2.00
	Ramit Sethi - The Briefcase Technique	0.17	0.33
	Mini-Project: Get Referrals into your Target Companies	0.00	0.00
WEEK 17		**2.33**	**4.50**
Create Your Cover Letter		**2.33**	**4.50**
	The Muse - 31 Cover Letter Tips	0.33	0.50
	The Muse - 8 Cover Letter Examples	0.00	0.00
	Mini-Project: Create a Cover Letter for One Position	2.00	4.00
Elective 2: Data Science at Scale		**0.00**	**0.00**
	Get Started with this Tutorial		
	Introductory Course on Spark		
	Machine Learning with Spark		
WEEK 18 & Week 19		**20.00**	**30.00**
Capstone Project 2: Final Submission		**20.00**	**30.00**

	Complete & Submit Capstone Project	20.00	30.00
WEEK 20		**5.33**	**12.50**
Effective Interviewing for Data Scientists		**14.67**	**27.67**
The Take-Home Challenge			
	Quora: Data Science Take-Home challenges	0.17	0.33
	Example Take-Home Challenge: Ultimate Technologies Inc.	0.08	0.08
	Submit Your Solution to the Ultimate Inc. Data Science Challenge	5.00	12.00
	Example Take-Home Challenge: KeepUp Inc.	0.08	0.08
WEEK 21		**7.33**	**13.17**
	Submit Your Solution to the KeepUp Data Science Challenge	2.00	4.00
The Non-Technical Interview			
	Ramit Sethi - 3 Tips to Dominate Your Job Interview	0.17	0.33
	Ramit Sethi - How to Craft Perfect Answers to Any Interview Questions	0.17	0.33
	Mini-Project: Create a Story Toolbox	2.00	4.00
The Technical Interview			
	KD Nuggets: 21 Must-Know Data Science Interview Questions	0.50	1.00
	A Mock Interview with One of Our Mentors: Matt Fornito	1.00	2.00
	Schedule your 30-Minute Mock Non-Technical Interview	0.50	0.50
	Schedule your 1-hour Mock Coding Interview	1.00	1.00
WEEK 22		**2.33**	**2.50**
	Schedule your 1-hour Mock Data Science Interview: Project Walkthrough	1.00	1.00
	Schedule your 1-hour Mock General Data Science Interview	1.00	1.00
The Art of Negotiation		**0.33**	**0.50**
	Ramit Sethi - How to Negotiate Your Salary	0.33	0.50
	Schedule your Negoatiation Practice Call with your Career Coach (Optional)	0.00	0.00
Total Time		**175.08**	**290.25**