

## Data Analyst Nanodegree: General Timeline

\*July cohort and beyond\*

Updated 7/2/15



## Program Timeline

Your **Nanodegree program** is an *epic adventure*. Each week, you'll learn and apply new skills, and share successes and challenges with your [learning community](#). Whatever your pace or daily schedule along the way, use the checklist below as a tool to make sure you stay on track with your cohort and cross the finish line to graduation. We can't wait to see where your adventure takes you!

*\*Aside from the first week, all dates listed are Mondays. Tasks listed should be completed before the following Monday. Links will take you right to the classroom to tackle the tasks! Submission deadlines are indicated in **orange** and work should always be submitted by Monday of the following week.*

Click [here](#) to download this timeline, and [here](#) to see how to mark tasks as completed.

Week	What to work on
Week 0	<ul style="list-style-type: none"><li>📅 Enroll!</li><li>📅 Watch the <a href="#">welcome video</a></li><li>📅 Complete the <a href="#">Readiness Assessment</a></li></ul>
<b>Project 0: Find the Optimal Chopstick Length</b> <b>Learn the skills in <a href="#">Lesson 1 of Statistics</a></b>	
Week 1 8/30	<ul style="list-style-type: none"><li>📅 Go through your <a href="#">Nanodegree Orientation</a></li><li>📅 If needed, review <a href="#">Lesson 1</a></li><li>📅 Complete and <b>submit Project 0: Find the Optimal Chopstick Length</b> for feedback on your progress so far!</li></ul>
<b>Project 1: Test a Perceptual Phenomenon</b> <b>Learn the skills in <a href="#">Statistics</a></b>	
Week 2 9/6	<ul style="list-style-type: none"><li>📅 Use the <a href="#">Statistics Placement Advisor</a> to determine how much of the Statistics course you will need.</li><li>📅 If needed, review <a href="#">Lesson 2</a> and <a href="#">Lesson 3</a></li></ul>
Week 3	<ul style="list-style-type: none"><li>📅 If needed, review <a href="#">Lesson 4</a> and <a href="#">Lesson 5</a></li></ul>
Week 4	<ul style="list-style-type: none"><li>📅 If needed, review <a href="#">Lesson 6</a> and <a href="#">Lesson 7</a></li></ul>
Week 5	<ul style="list-style-type: none"><li>📅 If needed, review <a href="#">Lesson 8</a> and <a href="#">Lesson 9</a></li></ul>
Week 6	<ul style="list-style-type: none"><li>📅 If needed, review <a href="#">Lesson 10a</a>, <a href="#">Lesson 10b</a>, and <a href="#">Lesson 11</a></li></ul>

Week 7	<input type="checkbox"/> Complete and <b>submit Project 1: Test a Perceptual Phenomenon</b>
<b>Project 2: Analyzing the NYC Subway Dataset</b> <b>Learn the skills in <a href="#">Intro to Data Science</a></b>	
Week 8	<input type="checkbox"/> Complete <a href="#">Lesson 1: Introduction</a> <input type="checkbox"/> Complete <a href="#">Problem Set 1: Titanic Survivor Data</a> <input type="checkbox"/> Get more familiar with <a href="#">Numpy</a> and <a href="#">Pandas</a> by exploring their documentation
Week 9	<input type="checkbox"/> Complete <a href="#">Lesson 2: Data Wrangling</a> <input type="checkbox"/> Complete <a href="#">Problem Set 2: Wrangling Subway Data</a> <input type="checkbox"/> Continue exploring <a href="#">Numpy</a> and <a href="#">Pandas</a>
Week 10	<input type="checkbox"/> Complete <a href="#">Lesson 3: Data Analysis</a> <input type="checkbox"/> Complete <a href="#">Problem Set 3: Analyzing Subway Data</a> <input type="checkbox"/> Review the extra materials on the Mann-Whitney U-Test, Linear Regression and Gradient Descent, available in the Downloadables section of any video in <a href="#">Lesson 3</a>
Week 11	<input type="checkbox"/> Complete <a href="#">Lesson 4: Data Visualization</a> <input type="checkbox"/> Complete <a href="#">Problem Set 4: Visualizing Subway Data</a> <input type="checkbox"/> Make a variety of different visualizations of the subway data on your own computer
Week 12	<input type="checkbox"/> Begin work on <a href="#">Project 2</a> <input type="checkbox"/> Make sure you read <a href="#">the rubric</a> closely <input type="checkbox"/> Consider using <a href="#">iPython Notebook</a> (which comes with <a href="#">Anaconda</a> ) to explore the dataset on your own computer
Week 13	<input type="checkbox"/> Continue work on <a href="#">Project 2</a> <input type="checkbox"/> <b>Submit Project 2: Analyzing the NYC Subway Dataset</b>
<b>Project 3: Data Wrangle OpenStreetMaps Data</b> <b>Learn the skills in <a href="#">Data Wrangling with MongoDB</a></b>	
Week 14	<input type="checkbox"/> Complete <a href="#">Lesson 1: Data Extraction Fundamentals</a> <input type="checkbox"/> Complete the <a href="#">Lesson 1 Problem Set</a> <input type="checkbox"/> Learn more about <a href="#">File IO</a> and <a href="#">reading and writing CSVs</a> in Python
Week 15	<input type="checkbox"/> Complete <a href="#">Lesson 2: Data in More Complex Formats</a> <input type="checkbox"/> Complete the <a href="#">Lesson 2 Problem Set</a> <input type="checkbox"/> Try using <a href="#">BeautifulSoup</a> to parse a web page on your own computer
Week 16	<input type="checkbox"/> Complete <a href="#">Lesson 3: Data Quality</a> <input type="checkbox"/> Complete the <a href="#">Lesson 3 Problem Set</a>
Week 17	<input type="checkbox"/> Complete <a href="#">Lesson 4: Working with MongoDB</a> <input type="checkbox"/> Complete the <a href="#">Lesson 4 Problem Set</a> <input type="checkbox"/> <a href="#">Install MongoDB</a> and try running some queries locally
Week 18	<input type="checkbox"/> Complete <a href="#">Lesson 5: Analyzing Data</a> <input type="checkbox"/> Complete the <a href="#">Lesson 5 Problem Set</a> <input type="checkbox"/> Starting preparing for <a href="#">Project 2</a> by reading the description and reviewing the <a href="#">rubric</a>
Week 19	<input type="checkbox"/> Complete <a href="#">Lesson 6: Case Study - Openstreetmap Data</a>

	<input type="checkbox"/> Choose what area's <a href="#">OpenStreetMap</a> data you will clean, and follow <a href="#">these instructions</a> to download the data
<b>Week 20</b>	<input type="checkbox"/> Continue work on <a href="#">Project 3</a>
<b>Week 21</b>	<input type="checkbox"/> <b>Submit Project 3: <a href="#">Data Wrangle OpenStreetMaps Data</a></b>
<b><i>Project 4: Explore and Summarize Data</i></b> <b><i>Learn the skills in <a href="#">Data Analysis with R</a></i></b>	
<b>Week 22</b>	<input type="checkbox"/> Complete <a href="#">Lesson 1: What is EDA?</a> <input type="checkbox"/> Complete <a href="#">Lesson 2: R Basics</a> <input type="checkbox"/> Install <a href="#">the R programming language</a> and <a href="#">RStudio</a> <input type="checkbox"/> Download <a href="#">the datasets</a> for the course <input type="checkbox"/> Begin reviewing <a href="#">R introductory tutorials</a>
<b>Week 23</b>	<input type="checkbox"/> Complete <a href="#">Lesson 3: Explore One Variable</a> <input type="checkbox"/> Complete <a href="#">Problem Set 3</a> , where you will explore single variables from the diamonds dataset <input type="checkbox"/> Continue reviewing R <a href="#">examples</a> and <a href="#">tutorials</a>
<b>Week 24</b>	<input type="checkbox"/> Complete <a href="#">Lesson 4: Explore Two Variables</a> <input type="checkbox"/> Complete <a href="#">Problem Set 4</a> , where you will explore pairs of variables in the diamonds dataset <input type="checkbox"/> Starting preparing for <a href="#">Project 3</a> by reading the description and reviewing the <a href="#">rubric</a> . You can also checkout the <a href="#">example project</a> .
<b>Week 25</b>	<input type="checkbox"/> Complete <a href="#">Lesson 5: Explore Many Variables</a> <input type="checkbox"/> Complete <a href="#">Problem Set 5</a> , where you will further explore the diamonds dataset
<b>Week 26</b>	<input type="checkbox"/> Complete <a href="#">Lesson 6: Diamonds &amp; Price Predictions</a>
<b>Week 27</b>	<input type="checkbox"/> Choose and download a dataset for <a href="#">Project 4</a> <input type="checkbox"/> Perform an initial exploration of your dataset, remembering to carefully document observations
<b>Week 28</b>	<input type="checkbox"/> Finish <a href="#">Project 4</a> <input type="checkbox"/> Create your RMD file and review your project report (the HTML file) before submission
<b>Week 29</b>	<input type="checkbox"/> <b>Submit Project 4: <a href="#">Explore and Summarize Data</a></b> <input type="checkbox"/> Learn more about <a href="#">Improving Your Career</a> and fill out more of your <a href="#">profile</a> .
<b><i>Project 5: Identifying Fraud from Enron Email</i></b> <b><i>Learn the skills in <a href="#">Intro to Machine Learning</a></i></b>	
<b>Week 30</b>	<input type="checkbox"/> Complete <a href="#">Lesson 0: Welcome</a> <input type="checkbox"/> Complete <a href="#">Lesson 1: Naive Bayes</a> <input type="checkbox"/> If you haven't yet, download <a href="#">Anaconda</a> . This comes with <a href="#">scikit-learn</a> , which you will need for the course.
<b>Week 31</b>	<input type="checkbox"/> Complete <a href="#">Lesson 2: SVM</a>
<b>Week 32</b>	<input type="checkbox"/> Complete <a href="#">Lesson 3: Decision Trees</a> <input type="checkbox"/> Complete <a href="#">Lesson 4: Choose Your Own Algorithm</a>
<b>Week 33</b>	<input type="checkbox"/> Complete <a href="#">Lesson 5: Datasets and Questions</a>

Week 34	<input type="checkbox"/> Complete <a href="#">Lesson 6: Regressions</a> <input type="checkbox"/> Complete <a href="#">Lesson 7: Outliers</a>
Week 35	<input type="checkbox"/> Complete <a href="#">Lesson 8: Clustering</a> <input type="checkbox"/> Complete <a href="#">Lesson 9: Feature Scaling</a>
Week 36	<input type="checkbox"/> Complete <a href="#">Lesson 10: Text Learning</a> <input type="checkbox"/> Complete <a href="#">Lesson 11: Feature Selection</a> <input type="checkbox"/> Starting preparing for <a href="#">Project 4</a> by reading the description and reviewing the <a href="#">rubric</a> - make sure you review the guiding questions!
Week 37	<input type="checkbox"/> Complete <a href="#">Lesson 12: PCA</a> <input type="checkbox"/> Complete <a href="#">Lesson 13: Validation</a>
Week 38	<input type="checkbox"/> Complete <a href="#">Lesson 14: Evaluation Metrics</a> <input type="checkbox"/> Complete <a href="#">Lesson 15: Tying It All Together</a>
Week 39	<input type="checkbox"/> Begin working on <a href="#">Project 5</a>
Week 40	<input type="checkbox"/> Continue working on <a href="#">Project 5</a> <input type="checkbox"/> Remember to document all your observations! They will be very helpful for the final project report
Week 41	<input type="checkbox"/> <b>Submit Project 5: <a href="#">Identifying Fraud from Enron Email</a></b>
<b><i>Project 6: Tell Stories with with Data Visualization</i></b> <b><i>Learn the skills in <a href="#">Data Visualization and D3.js</a></i></b>	
Week 42	<input type="checkbox"/> Complete <a href="#">Lesson 1a: Visualization Fundamentals</a> <input type="checkbox"/> Download <a href="#">D3.js</a> and <a href="#">dimple.js</a>
Week 43	<input type="checkbox"/> If you are unfamiliar with HTML or CSS, or need a refresher, go through <a href="#">Intro to HTML and CSS</a>
Week 44	<input type="checkbox"/> If you are unfamiliar with JavaScript, or need a refresher, go through <a href="#">JavaScript Basics</a>
Week 45	<input type="checkbox"/> Complete <a href="#">Lesson 1b: D3 Building Blocks</a> <input type="checkbox"/> Complete <a href="#">Problem Set 1</a> , including <a href="#">Mini-Project 1</a>
Week 46	<input type="checkbox"/> Complete <a href="#">Lesson 2a: Design Principles</a>
Week 47	<input type="checkbox"/> Complete <a href="#">Lesson 2b: Dimple.js</a> <input type="checkbox"/> Complete <a href="#">Problem Set 2</a> , including <a href="#">Mini-Project 2</a>
Week 48	<input type="checkbox"/> Complete <a href="#">Lesson 3: Narrative Structures</a>
Week 49	<input type="checkbox"/> Begin work on <a href="#">Lesson 4: Animation and Interaction</a>
Week 50	<input type="checkbox"/> Complete <a href="#">Lesson 4</a>
Week 51	<input type="checkbox"/> Review the Project 6 <a href="#">description</a> and <a href="#">rubric</a> and begin work on <a href="#">Project 5</a>
Week 52	<input type="checkbox"/> Iterate on <a href="#">Project 6</a> <input type="checkbox"/> Share your visualization with your friends and family, and update it based on their feedback
Week 53	<input type="checkbox"/> <b>Submit Project 6: <a href="#">Make Effective Data Visualization</a></b>
<b><i>Project 7: Design and Analyze an A/B Test</i></b> <b><i>Learn the skills in <a href="#">A/B Testing</a></i></b>	

<b>Week 54</b>	<input type="checkbox"/> Complete <a href="#">Lesson 1</a> and <a href="#">Lesson 2</a>
<b>Week 55</b>	<input type="checkbox"/> Complete <a href="#">Lesson 3</a>
<b>Week 56</b>	<input type="checkbox"/> Complete <a href="#">Lesson 4</a>
<b>Week 57</b>	<input type="checkbox"/> Complete <a href="#">Lesson 5</a> <input type="checkbox"/> Review the Project 7 <a href="#">instructions</a> , <a href="#">submission template</a> , and <a href="#">rubric</a> and begin work on <a href="#">Project 7</a>
<b>Week 58</b>	<input type="checkbox"/> <b>Submit Project 7: Design and Analyze an A/B Test</b> <input type="checkbox"/> Complete the <a href="#">Final Steps</a> to verify your project submissions and schedule your exit interview!