Udacity Connect Intensive Weekly Program Schedule

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| Weekend | Session | Homework |
| **Feb 10** | Thinking Like a Machine Learnist | In the **Machine Learning Foundations** part of the online syllabus, complete the following modules:   * Welcome to the MLND program * What is Machine Learning? * MLND Program Orientation   Finishthe **Exploring the Titanic Survivors’ Data(P0)** project**.** |
| **Feb 17 - No CLASS** | | |
| **Feb 24** | Model Evaluation and Validation | Finish the following lessons in the Machine Learning Foundations module:   * Training Models * Testing Models * Evaluation Metrics * Detecting Errors * Putting it all together * **Practice Project: Bayesian Learning - Build a Spam Classifier**   Review the **Predicting Boston Housing Prices** project. |
| **Mar 3** | Model evaluation and validation | Complete and submit the **Predicting Boston Housing Prices(P1)** project.  In the **Supervised Learning** part of the online syllabus, complete the following modules:   * Review of the Spam Classifier practice project. * Supervised Learning Intro * Introduction to Regression, More Regressions, Regressions in sklearn * Decision Trees, More Decision Trees * Neural Networks, **do not do the Neural Nets Mini-Project as this will be covered in session next week.** |
| **Mar 10** | Supervised Learning | Finish the following modules under **Supervised Learning**:   * Math Behind SVMs, SVMs in practice * Instance Based Learning * Naive Bayes, Bayesian Learning, Bayesian Inference, **do not do Bayes NLP Mini-Project lesson as this will be covered in session next week.** * Ensemble B&B   Review the **Finding Donors for CharityML** project. |
| **Mar 17** | Supervised Learning: Building a Classification System | Finish and submit the **Finding Donors for CharityML(P2)** project. In the **Unsupervised Learning** part of the online syllabus, complete the following modules:   * Introduction to Unsupervised Learning * Clustering, More Clustering, Clustering Mini Project:**do not do the Clustering Mini-Project**; this will be covered in session next week. * Feature Scaling, Feature Selection. |
| **Mar 24** | Principal Component Analysis | Complete the following modules under **Unsupervised Learning:**   * PCA, PCA Mini-Project: **do not do the PCA Mini-Project lesson**; this will be covered in session next week * Feature Transformation   Review the **Creating Customer Segments** project. |
| **Mar 31 - NO CLASS** | | |
| **Apr 7** | Unsupervised Learning: Data Clustering | Complete and submit the **Creating Customer Segments(P3)** project. In the **Reinforcement Learning** part of the online syllabus, complete the following modules   * Intro to Reinforcement Learning * Markov Decision Processes |
| **Apr 14** | Reinforcement Learning | Finish the following modules under **Reinforcement Learning**:   * Game Theory * More Game Theory   Review the **Train a Smartcab to Drive** project. |
| **Apr 21** | Reinforcement Learning | Finish the **Train a Smartcab to Drive(P4)** project. |
| **Apr 28** | Deep Learning | Finish the following module under the Deep Learning module:   * Deep Neural Networks |
| **May 5** | Convolutional Neural Networks | Finish the following module under the Deep Learning module and review the Dog Breed Classifier project:   * Convolutional Neural Networks |
| **May 12** | Build a Dog Breed Classifier | Complete the **Deep Learning project: Building a Dog Breed Classifier(P5)** project. |
| **May 19** | Capstone Proposal | Finalize and complete the **Capstone Proposal(P6)**. Prepare a ~10/15 minute presentation (speech, powerpoint, etc.) on your implementation to your cohort for next week’s session. |
| **May 26 - NO CLASS** | | |
| **Jun 2** | Capstone Project Presentations | Work on your **Capstone Project(P7)**. |
| **Jun 9** | Capstone Project | Work on your **Capstone Project(P7)**. |
| **Jun 16** | Final Capstone Project Presentations | **GRADUATE!** |