

Final Project Quantitative Rubric Name: _____ Project: _____					
Standard / Level	0	1 (Beginning)	2 (Developing)	3 (Accomplished)	4 (Exemplary)
Pick a novel, interesting problem at the appropriate challenge level	Forgot	- Used a dataset from class	- Answered an obvious question	- Combined existing questions in unique ways - Picked a common dataset	- Created original work - Used an interesting dataset
Preprocess data	Forgot	- Data not ready for later analysis	- 100% correctly formatted data - Handled missing values	- Explored different methods	- Handled especially tricky issues - Explored different methods with benchmarking
Complete machine learning process	Forgot	No test step	No separate validation step	- Completed machine learning modeling (train, test, and validate)	- Cutting edge version of train / test split
Create a DL Architecture	Forgot	- Architecture does not make sense	- Used too simple of a architecture	- Used most logical architecture	- Created novel architecture
Fit Deep Learning model	Forgot	- No tuning	- Broken / incomplete tuning	- Used standard optimizers	- Applied cutting-edge optimizer
Present to a technical audience	Forgot	- Unintelligible	- Unclear - Hard-to-follow - Incomplete	- Engaging talk with insights and lessons	- Live demo!
Write quality code	Forgot	- Code is incomplete	- Code does not work - Code is hard to read	- Code works - Code is readable	- Code has comments and tests - Professional level / pep8
Commit code to GitHub	Forgot	- Code not on GitHub	- Does not have README - Commit messages are not helpful	- GitHub is clear and understandable	- GitHub repo is public
X factor: Did something out-of-the-box	Forgot	- Routine project	- Repeated analysis from class	- Showed creativity	- Ground-breaking