Insight ML Code Review checklist: Example Insight Repos: Project Orient

	STYLE / STRUCTURE:	
	README is written and formatted using Markdown.	
	README contains an introduction to the project along with setup and installation instructions.	
SOURCE CODE DOCUMENTATION:		
	Variables, functions and classes have meaningful and accurate names.	
	Code is easily installed from the command line and has a simple example that runs.	
	Employees at company demos could easily follow along with this GitHub code.	
Should Have: If you have 10-20 minutes to review code REPO STYLE / STRUCTURE:		
	README has usage instructions with example inputs and outputs included so users can test their installation.	
	The use of third-party GitHubs and libraries are well documented.	
SOURCE CODE DOCUMENTATION:		
	Code formatting is uniform and consistent (spacing, line breaks, indentation, brackets, braces, etc). See the Code Style section in the <u>Insight Code Guide</u> .	
	The same code is not repeated elsewhere in the script and there are no redundant or duplicate functions.	
	Object oriented programming is used, i.e. the code is oriented with clear and modular functions.	
	Code is self-explanatory without any unnecessary complexity nor dependencies.	
	All existing comments describe the intent of the code, and include any hacks, workaround and temporary fixes.	

Nice to Have: If you have 20-30 minutes to review code

SOURCE CODE DOCUMENTATION:

All advanced functions are commented informatively and concisely.
No dead code is committed and unnecessary logging or debugging code has been removed. (May have a file that will not be committed using .gitignore)
At least one unit test is used to isolate a function from the rest of the codebase.
Loops have a set length and correct termination conditions.
Standard functions are used as much as possible (instead of creating them from scratch).
There are no one-letter variables (except for counter variables) and global variables be replaced.

Sources:

Insight Data Science https://nyu-cds.github.io/effective-code-reviews/03-checklist/ https://blog.goyello.com/2013/01/21/top-9-principles-clean-code/