			Segr 40% of f	nent 4					
	Mastery		Approaching Mastery	iliai gi	Emerging		Progressing		Incomplete
Presentation	Content The presentation tells a cohesive story about their project, including the following:  Selected topic Reason why they selected their topic Description of their source of data Questions they hope to answer with the data Description of the data exploration phase of the project Description of the data exploration phase of the project Technologies, languages, tools, and algorithms used throughout the project Result of analysis Anything the team would have done differently Slides Presentations are finalized in Google Slides. Slides are primarily images or graphics (rather than primarily text) Images are clear, in high-definition, and directly illustrative of subject matter Live Presentation All team members present in equal proportions The team demonstrates interactivity of dashboard in real time The presentation falls within any time limits provided by instructor Submission includes speaker notes, flashcards, or a video of the	25	Content The presentation tells a developing story about their project, including at least nine of the following:  / Selected topic / Reason why they selected their topic / Description of their source of data / Questions they hope to answer with the data / Questions they hope to answer with the data / Description of the data exploration phase of the project / Description of the data exploration phase of the project / Description of the data exploration phase of the project / Technologies, languages, tools, and algorithms used throughout project / Result of analysis / Recommendation for future analysis / Recommendation for future analysis / Renommendation for future analysis / Renommendation for future analysis / Rides are evenly split between primarily image slides and primarily text sildes / Images are clear, in high-definition, and illustrative of subject matter  Live Presentation / All team members present in unequal proportions / The team demonstrates interactivity of dashboard in real time / The presentation falls within any time limits provided by	19	Content The presentation tells a developing story about their project, including at least seven of the following:  ✓ Selected topic ✓ Reason why they selected their topic ✓ Description of their source of data ✓ Questions they hope to answer with the data ✓ Description of the data exploration phase of the project ✓ Technologies, languages, tools, and algorithms used throughout project ✓ Technologies, languages, tools, and algorithms used throughout project ✓ Result of analysis ✓ Anything the team would have done differently  Slides Presentations are finalized in Google Slides. ✓ Slightly more slides are primarily text than are primarily images ✓ Images are illustrative of the subject matter  Live Presentation ✓ The team demonstrates interactivity of dashboard in real time, with one or two minor bugs	13	Content The presentation tells a limited story about their project, including at least five of the following:  Selected topic Reason why they selected their topic Description of their source of data Questions they hope to answer with the data Description of the data exploration phase of the project Description of the analysis phase of the project of Technologies, languages, tools, and algorithms used throughout project Result of analysis Recommendation for future analysis Resommendation for future analysis Presentations are finalized in Google Slides. Significantly more slides are primarily text than are primarily images Live Presentation Some team members do not present The team attempts to demonstrate dashboard in real time	7	
GitHub	lain Branch I code in the main branch is production-ready. I code in the main branch is production-ready. I code is clean, commented, easy to read, and adheres to a coding standard .g., PEP8) I code necessary to perform exploratory analysis All code necessary to perform exploratory analysis All code necessary to complete machine learning portion of project Any images that have been created (at least three) Requirements.txt file	10	instructor  / Submission includes speaker notes, flashcards, or a video of the presentation rehearsal  Main Branch Most code in the master branch is production-ready. Most code is clean, commented, easy to read, and adheres to a coding standard (e.g., PEP8)  Main branch should include:  / All code necessary to perform exploratory analysis  / Most code necessary to complete machine learning portion of project  / Any images that have been created (at least three)  / Requirements.txt file  README.md	7	or issues  / Submission includes speaker notes, flashcards, or a video of the presentation rehearsal  Main Branch Some code in the master branch is production- ready. Some code is clean, commented, easy to read, and adheres to a coding standard (e.g., PEP8)  Main branch should include: / All code necessary to perform exploratory analysis / Most code necessary to complete machine learning portion of project / Any images that have been created (at least three) / Requirements.bt file  README.md	4	Submission includes speaker notes, flashcards, or a video of the presentation rehearsal   Main Branch   Some code in the master branch is production-ready.	1	No submission was received -OR- Submission wa empty or blank -OR- Submission
Machine Learning Model	Team members submit the working code for their machine learning model, as well as the following:  / Description of data preprocessing / Description of feature engineering and the feature selection, including the team's decision-making process / Description of how data was split into training and testing sets / Explanation of model choice, including limitations and benefits / Explanation of changes in model choice (if changes occurred between the Segment 2 and Segment 3 deliverables) / Description of how model was trained (or retrained, if they are using an existing model) / Description and explanation of model's confusion matrix, including final accuracy score  Additionally, the model obviously addresses the question or problem the team is solving.  Note: If statistical analysis is not included as part of the current analysis, include a description of how it would be included in the next phases of the project.	25	Students submit the working code for their machine learning model, as well as five or six of the following:  / Description of data preprocessing / Description of feature engineering and the feature selection, including the team's decision-making process / Description of how data was split into training and testing sets / Explanation of model choice, including limitations and benefits / Explanation of changes in model choice (if changes occurred between the Segment 2 and Segment 3 deliverables) / Description of how model was trained (or retrained, if they are using an existing model) / Description and explanation of model's confusion matrix, including final accuracy score Additionally, the model obviously addresses the question or problem the team is solving.	19	Students submit the working code for their machine learning model, as well as three or four of the following:  / Description of data preprocessing / Description of feature engineering and the feature selection, including the team's decision-making process / Description of how data was split into training and testing sets / Explanation of model choice, including limitations and benefits / Explanation of changes in model choice (if changes occurred between the Segment 2 and Segment 3 deliverables) / Description of how model was trained (or retrained, if they are using an existing model) / Description and explanation of model's confusion matrix, including final accuracy score  Additionally, the model does not obviously address the question or problem the team is solving.	13	Students submit the code for their machine learning model, as well as one or two of the following:  / Description of data preprocessing / Description of feature engineering and the feature selection, including the team's decision-making process / Description of how data was split into training and testing sets / Explanation of model choice, including limitations and benefits / Explanation of changes in model choice (if changes occurred between the Segment 2 and Segment 3 deliverables) / Description of how model was trained (or retrained, if they are using an existing model) / Description and explanation of model's confusion matrix, including final accuracy score  Additionally, the model does not obviously address the question or problem the team is solving.	7	contains evidence of academic dishonesty

TOTAL	1	0	76		52		28	
Dashboard	✓ Images from the initial analysis ✓ Data (images or report) from the machine learning task ✓ At least one interactive element  Either the dashboard is published or the submission includes a screen capture video of it in action.	V Images from the initial analysis  Data (images or report) from the machine learning task  At least one interactive element  Additionally, either the dashboard is published or the submission includes a screen capture video of it in action.	12	Images from the initial analysis     Data (images or report) from the machine learning task     At least one interactive element     Additionally, either the dashboard is published or the submission includes a screen capture video of it in action.	9	Images from the initial analysis Data (images or report) from the machine learning task At least one interactive element Additionally, either the dashboard is published or the submission includes a screen capture video of it in action.	6	
	The dashboard presents a data story that is logical and easy to follow for someone unfamiliar with the topic. It includes all of the following:	The dashboard presents a data story that is logical and easy to follow for someone unfamiliar with the topic. It includes two of the following:		The dashboard presents a data story that is logical. It includes one of the following:		The dashboard presents a data story. It includes one of the following:		
atabase	Team members present a final project with a fully integrated database.	Team members present database that accomplishes four of the following:  / Database stores static data for use during the project / Database interfaces with the project in some format (e.g., scraping updates the database) / Includes at least two tables (or collections, if using MongoDB) / Includes at least two tables (or collections, if using MongoDB) / Includes at least one join using the database language (not including any joins in Pandas) / Includes at least one connection string (using SQLAlchemy or PyMongo)  Note: If you use a SQL database, you must provide your ERD with relationships.	19	Team members present database that accomplishes three of the following:   / Database stores static data for use during the project in some format (e.g., scraping updates the database) / Includes at least two tables (or collections, if using MongoDB) / Includes at least one join using the database language (not including any joins in Pandas) / Includes at least one connection string (using SQLAlchemy or PyMongo)  Note: If you use a SQL database, you must provide your ERD with relationships.	13	Team members present database that accomplishes two of the following:  / Database stores static data for use during the project / Database interfaces with the project in some format (e.g., scraping updates the database) / Includes at least two tables (or collections, if using MongolBs) / Includes at least one join using the database language (not including any joins in Pandas) / Includes at least one connection string (using SQLAichemy or PyMongo) Note: If you use a SQL database, you must provide your ERO with relationships.	7	