Rubric for Module 9 Challenge:

	Proficiency 40 to > 36 points	Approaching Proficiency 36 to > 32 points	Developing Proficiency 32 to > 26 points	Emerging 26 to > 0 points	Incomplete
Deliverable 1: Determine the Summary Statistics for June	• There is a working query that retrieves the temperatures from the Measurements table (10 pt). • The temperatures are added to a list (10 pt). • The list of temperatures is converted to a DataFrame (10 pt). • A summary statistics table is generated (10 pt).	• The query retrieves the temperatures from the correct month (10 pt). • The temperatures are added to a list, but there is a minor error. (8 pt) • The list of temperatures is converted to a DataFrame with a minor error (8 pt) • A summary statistics table is generated (10 pt).	• The query retrieves the temperatures from the correct month, but there is additional data. (8 pt) • The temperatures and additional data are added to a list (7 pt). • The temperatures and additional data are converted to a DataFrame (7 pt). • A summary statistics table is generated (10 pt).	• The query retrieves the incorrect temperatures (6 pt). • The incorrect temperatures are added to a list (6 pt). • The list of temperatures and the extra data are added to a DataFrame (6 pt). • A summary statistics table is generated, but the data is incorrect (8 pt).	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
	Proficiency 40 to > 36 points	Approaching Proficiency 36 to > 32 points	Developing Proficiency 32 to > 26 points	Emerging 26 to > 0 points	
Deliverable 2: Determine the Summary Statistics for December	• There is a working query that retrieves the temperatures from the Measurements table (10 pt). • The temperatures are added to a list (10 pt). • The list of temperatures is converted to a DataFrame (10 pt). • A summary statistics table is generated (10 pt).	• The query retrieves the temperatures from the correct month (10 pt). • The temperatures are added to a list, but there is a minor error (8 pt). • The list of temperatures is converted to a DataFrame with a minor error (8 pt). • A summary statistics table is generated (10 pt).	• The query retrieves the temperatures from the correct month but there is additional data (8 pt). • The temperatures and additional data are added to a list (7 pt). • The temperatures and additional data are converted to a DataFrame (7 pt). • A summary statistics table is generated (10 pt).	• The query retrieves the incorrect temperatures (6 pt). • The incorrect temperatures are added to a list (6 pt). • The list of temperatures and the extra data are added to DataFrame (6 pt). • A summary statistics table is generated, but the data is incorrect (8 pt).	
	Proficiency 6 points	Approaching Proficiency 5 to > 3 points	Developing Proficiency 3 to > 2 points	Emerging 2 to > 0 points	
Deliverable 3: Structure, Organization, and Formatting	The written analysis has ALL of the following: • There is a title, and there are multiple sections (2 pt).	The written analysis has ALL of the following: • There is a title, and there are multiple sections (2 pt).	The written analysis has ALL of the following: • There is a title, and there are multiple sections (2 pt).	The written analysis has ALL of the following: • There is a title (1 pt).	

	• Each section has a heading (2 pt). • There are images, and they are formatted and displayed correctly (2 pt).	• Each section has a heading (2 pt). • There are images, and they are formatted and displayed correctly with one or two minor errors (1 pt).	AND ONE of the following: • Each section may have a heading (1 pt). • There are images to code, and they are formatted and displayed correctly with one or two minor errors (1 pt).	• There are no headings for each section, but there are three sections (1 pt).
	Proficiency **14 points**	**Approaching Proficiency** **12 to > 10 points**	**Developing Proficiency** **10 to > 7 points**	**Emerging** **7 to > 0 points**
Deliverable 3: Analysis	• The purpose is well defined (3 pt). • All THREE major points are described (6 pt). • There is a high-level summary of the results and TWO additional queries (5 pt).	• The purpose is well defined (3 pt). • All THREE major points are described (6 pt). • There is a high-level summary of the results and ONE of TWO additional queries (3 pt).	• The purpose is well defined (3 pt). • TWO of the THREE major points are described (4 pt). • There is a high-level summary of the results and ONE of TWO additional queries (3 pt).	• The purpose is well defined (3 pt). • ONE of the THREE major points is described (2 pt). • There is a high-level summary of the results only (2 pt).