	Mastery	Approaching Mastery	Progressing	Emerging	Incomplete
Extract (30 points)	The student did all of the following: ✓ Connects to and loads in datasets from AWS to dataframes using pyspark ✓ Correctly handles the header and has column names as the first row ✓ Ensures the data is retrieved by outputting the head of the dataframe ✓ Discovers the size of the dataframe by outputting the number of rows in it	The student did 3 of the following: ✓ Connects to and loads in datasets from AWS to dataframes using pyspark ✓ Correctly handles the header and has column names as the first row ✓ Ensures the data is retrieved by outputting the head of the dataframe ✓ Discovers the size of the dataframe by outputting the number of rows in it	The student did 2 of the following: ✓ Connects to and loads in datasets from AWS to dataframes using pyspark ✓ Correctly handles the header and has column names as the first row ✓ Ensures the data is retrieved by outputting the head of the dataframe ✓ Discovers the size of the dataframe by outputting the number of rows in it	The student did 1 of the following: ✓ Connects to and loads in datasets from AWS to dataframes using pyspark ✓ Correctly handles the header and has column names as the first row ✓ Ensures the data is retrieved by outputting the head of the dataframe ✓ Discovers the size of the dataframe by outputting the number of rows in it	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
Transform & Load (30 points)	Student does all of the following with the dataframes: **Transform** ✓ Removed duplicate rows ✓ Kept and renamed only necessary columns to match the current database table schema ✓ Matched dataframe column types with the database column types **Load** ✓ Successfully pushed dataframes to AWS	Student does 3 of the following with the dataframes: **Transform** ✓ Removed duplicate rows ✓ Kept and renamed only necessary columns to match the current database table schema ✓ Matched dataframe column types with the database column types **Load** ✓ Successfully pushed dataframes to AWS	Student does 2 of the following with the dataframes: **Transform** ✓ Removed duplicate rows ✓ Kept and renamed only necessary columns to match the current database table schema ✓ Matched dataframe column types with the database column types **Load** ✓ Successfully pushed dataframes to AWS	Student does 0-1 of the following with the dataframes: **Transform** ✓ Removed duplicate rows ✓ Kept and renamed only necessary columns to match the current database table schema ✓ Matched dataframe column types with the database column types **Load** ✓ Successfully pushed dataframes to AWS	
Analysis (40 points)	Student does all of the following to analyze if “vine” reviews are trustworthy: ✓ Splits the reviews between vine (paid) and non-vine (unpaid) ✓ Compares metrics between vine and non-vine reviews such as, but not limited to: `Number of reviews`	Student does all of the following to analyze if “vine” reviews are trustworthy: ✓ Splits the reviews between vine (paid) and non-vine (unpaid) ✓ Compares metrics between vine and non-vine reviews such as, but not limited to: `Number of reviews`	Student does 2 of the following to analyze if “vine” reviews are trustworthy: ✓ Splits the reviews between vine (paid) and non-vine (unpaid) ✓ Compares metrics between vine and non-vine reviews such as, but not limited to: `Number of reviews`	Student does 0-1 of the following to analyze if “vine” reviews are trustworthy: ✓ Splits the reviews between vine (paid) and non-vine (unpaid) ✓ Compares metrics between vine and non-vine reviews such as, but not limited to: `Number of reviews`	

	`Number of 5-star reviews`
	`Average Rating`
	`Number of helpful votes`
	
	✓ Comes up with a conclusion on the trustworthiness of vine reviews with data to back up their claim
		`Number of 5-star reviews`
		`Average Rating`
		`Number of helpful votes`
		
		✓ Comes up with an **invalid** conclusion on the trustworthiness of vine reviews or **does not provide** data to back up their claim
			`Number of 5-star reviews`
			`Average Rating`
			`Number of helpful votes`
			
			✓ Comes up with a conclusion on the trustworthiness of vine reviews with data to back up their claim
				`Number of 5-star reviews`
				`Average Rating`
				`Number of helpful votes`
				
				✓ Comes up with a conclusion on the trustworthiness of vine reviews with data to back up their claim	