

Rubric for PyCitySchools:

	Mastery 50 to > 45 points	Approaching Mastery 44 to > 40 points	Progressing 40 to > 36 points	Emerging 36 to > 0 points	Incomplete
Deliverable 1: Replace Ninth Grade Reading and Math Scores	<p>Uses the loc method to retrieve all the reading and math scores, where the following are completed:</p> <ul style="list-style-type: none"> ✓ A comparison operator is used to retrieve Thomas High School from the "school_name" column. (10 pt) ✓ Logical AND comparison operators are used to retrieve the ninth grade from the "grade" column. (10 pt) ✓ Logical AND comparison operators are used to retrieve the grade values from the "reading_score" column. (10 pt) ✓ Logical AND comparison operators are used to retrieve the grade values from the "math_score" column. (10 pt) ✓ The reading and math scores are replaced with NaN. (10 pt) 	<p>Uses the loc method to retrieve all the reading and math scores, where the following are completed:</p> <ul style="list-style-type: none"> ✓ A comparison operator is used to retrieve Thomas High School from the "school_name" column. (10 pt) ✓ Logical AND comparison operators are used to retrieve the ninth grade from the "grade" column. (10 pt) ✓ Logical AND comparison operators are used to retrieve the grade values from the "reading_score" OR "math_score" column. (10 pt) ✓ A logical OR comparison operator is used to retrieve the grade values from the "math_score" or "reading_score" column. (7 pt) ✓ Either the reading OR math scores are replaced with NaN. (7 pt) 	<p>Uses the loc method to retrieve all the reading and math scores, where the following are completed:</p> <ul style="list-style-type: none"> ✓ A comparison operator is used to retrieve Thomas High School from the "school_name" column. (10 pt) ✓ Logical AND comparison operators are used to retrieve the ninth grade from the "grade" column. (10 pt) ✓ A logical OR comparison operator is used to retrieve the grade values from the "reading_score" column. (7 pt) ✓ A logical OR comparison operator is used to retrieve the grade values from the "math_score" column. (7 pt) ✓ There is an attempt to replace reading and math scores with NaN. (5 pt) 	<p>Uses the loc method to retrieve all the reading and math scores, where the following are completed:</p> <ul style="list-style-type: none"> ✓ A comparison operator is used to retrieve Thomas High School from the "school_name" column. (10 pt) ✓ A logical OR comparison operator is used to retrieve the ninth grade from the "grade" column. (7 pt) ✓ A logical OR comparison operator is used to retrieve the grade values from the "reading_score" column. (7 pt) ✓ A logical OR comparison operator is used to retrieve the grade values from the "math_score" column. (7 pt) ✓ There is an attempt to replace reading and math scores with NaN. (5 pt) 	<p>No submission was received</p> <p>-OR-</p> <p>Submission was empty or blank</p> <p>-OR-</p> <p>Submission contains evidence of academic dishonesty</p>
	Mastery 25 points	Approaching Mastery 24 to > 23 points	Progressing 22 to > 20 points	Emerging 20 to > 0 points	
Deliverable 2: Repeat the School District Analysis	<p>The reading and math scores are replaced with NaN, and all the following are completed with no errors:</p> <ul style="list-style-type: none"> ✓ There is a new district summary DataFrame. (3 pt) ✓ There is a new school summary DataFrame. (3 pt) 	<p>The reading and math scores are replaced with NaN, and all the following are completed with some errors:</p> <ul style="list-style-type: none"> ✓ There is a new district summary DataFrame. (2-3 pt) ✓ There is a new school summary DataFrame. (2-3 pt) 	<p>Either the reading OR math scores are replaced with NaN, and all the following are completed:</p> <ul style="list-style-type: none"> ✓ There is a new district summary DataFrame. (2-3 pt) ✓ There is a new school summary DataFrame. (2 pt) 	<p>The reading and math scores are not replaced with NaN, but all the following are completed:</p> <ul style="list-style-type: none"> ✓ There is a district summary DataFrame. (2 pt) ✓ There is a school summary DataFrame. (2 pt) 	

	<ul style="list-style-type: none"> ✓ The top 5 performing schools based on the overall passing rate are shown. (2 pt) ✓ The bottom 5 performing schools based on the overall passing rate are shown. (2 pt) ✓ The average math score for each grade level from each school is shown. (3 pt) ✓ The average reading score for each grade level from each school is shown. (3 pt) ✓ The scores by school spending per student is shown. (3 pt) ✓ The scores by school size (3 pt) ✓ The scores by school type (3 pt) 	<ul style="list-style-type: none"> ✓ The top 5 performing schools, based on the overall passing rate are shown. (1.5-2 pt) ✓ The bottom 5 performing schools based on the overall passing rate are shown. (1.5-2 pt) ✓ The average math score for each grade level from each school is shown. (2-3 pt) ✓ The average reading score for each grade level from each school is shown. (2-3 pt) ✓ The scores by school spending per student are shown. (2-3 pt) ✓ The scores by school size (2-3 pt) ✓ The scores by school type (2-3 pt) 	<ul style="list-style-type: none"> ✓ The top 5 performing schools, based on the overall passing rate are shown. (1.5 pt) ✓ The bottom 5 performing schools based on the overall passing rate are shown. (1.5 pt) ✓ The average math score for each grade level from each school is shown. (2-3 pt) ✓ The average reading score for each grade level from each school is shown. (2-3 pt) ✓ The scores by school spending per student are shown. (2-3 pt) ✓ The scores by school size are shown. (2-3 pt) ✓ The scores by school type are shown. (2-3 pt) 	<ul style="list-style-type: none"> ✓ The top 5 performing schools based on the overall passing rate are shown. (1 pt) ✓ The bottom 5 performing schools based on the overall passing rate are shown. (1 pt) ✓ The average math score for each grade level from each school is shown. (2 pt) ✓ The average reading score for each grade level from each school is shown. (2-3 pt) ✓ The scores by school spending per student are shown. (2-3 pt) ✓ The scores by school size are present are shown. (2-3 pt) ✓ The scores by school type are shown. (2-3 pt) 	
	Mastery 7 points	Approaching Mastery 6 to > 4 points	Progressing 4 to > 3 points	Emerging 3 to > 0 points	
Deliverable 3: Structure, Organization, and Formatting	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> ✓ There is a title, and there are multiple sections. (2 pt) ✓ Each section has a heading and subheading. (3 pt) ✓ There are images and references to code, and they are formatted and displayed correctly. (2 pt) 	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> ✓ There is a title, and there are multiple sections. (2 pt) ✓ Each section has a heading and subheading. (3 pt) ✓ There are images and references to code, and they are formatted and displayed correctly with one or two minor errors. (1 pt) 	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> ✓ There is a title, and there are multiple sections. (2 pt) <p>AND ONE of the following:</p> <ul style="list-style-type: none"> ✓ Each section may have a heading and subheading. (2 pt) ✓ There are images and references to code, and they are formatted and displayed correctly with one or two minor errors. (1 pt) 	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> ✓ There is a title. (1 pt) ✓ There may be a subheading for a section. (1 pt) ✓ There are no headings for each section, but there are three sections. (1 pt) 	
	Mastery 18 to > 16 points	Approaching Mastery 15 to > 13 points	Progressing 13 to > 11 points	Emerging 10 to > 0 points	

Deliverable 3: Analysis	<ul style="list-style-type: none"> ✓ The purpose is well defined (3 pt). ✓ SIX to SEVEN metrics are addressed (9-10 pt) ✓ THREE to FOUR major changes are summarized for the school district analysis. (4-5 pt). 	<ul style="list-style-type: none"> ✓ The purpose is well defined (3 pt). ✓ FIVE to SIX of the SEVEN metrics are addressed (6-8 pt) ✓ TWO to THREE major changes are summarized for the school district analysis. (3-4 pt). 	<ul style="list-style-type: none"> ✓ The purpose is well defined (3 pt). ✓ THREE to FOUR of the SEVEN metrics are addressed (4-5 pt) ✓ ONE to TWO major changes are summarized for the school district analysis. (2-3 pt). 	<ul style="list-style-type: none"> ✓ The purpose is well defined (3 pt). ✓ Less than THREE of the SEVEN metrics are addressed. (5 pt). ✓ Only ONE major change is summarized or the summary does not adequately address the major changes to the school district analysis. (2 pt) 	
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