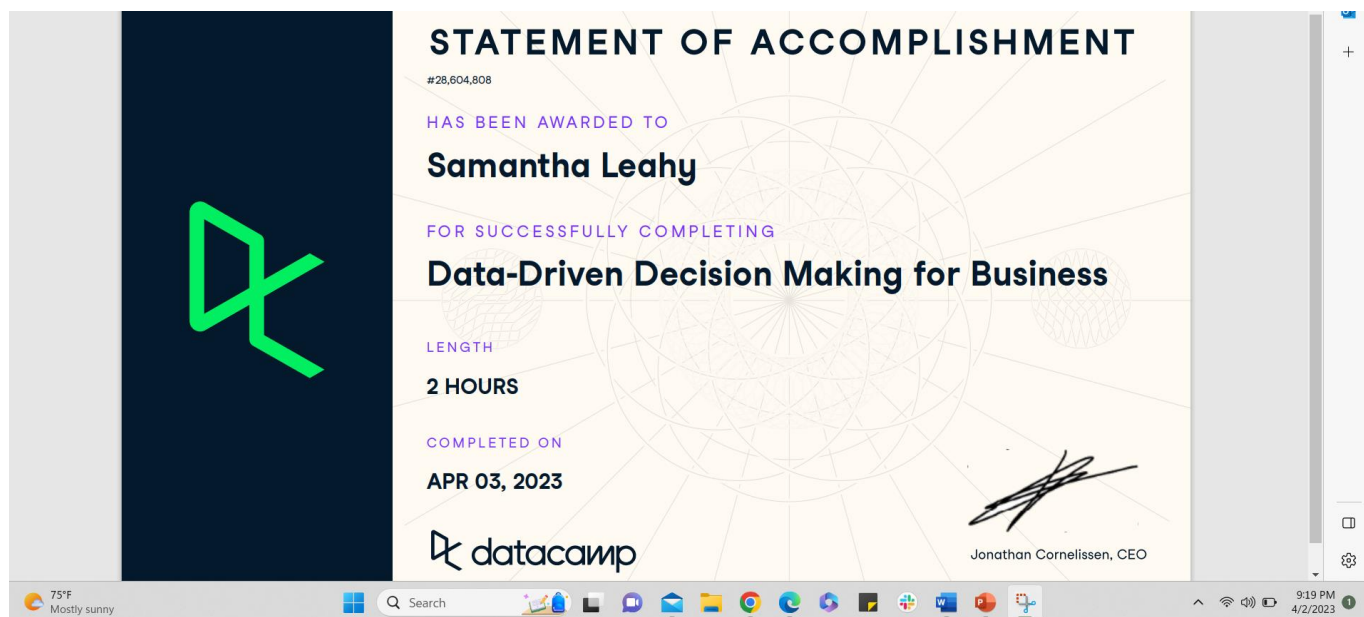


**Part 1: A Screenshot of Statement of Accomplishment (15 points).**

Your screenshot must meet the three requirements specified in the instruction.



**Part 2: Screenshots (15 points: 3 points for each). A screenshot without date and time will receive a 50% penalty.**

Screenshot 1: Step 3.5 Take a screenshot of your regression model (the one with regression coefficients and p values) with date and time.

AutoSave OFF HW4-Screenshots - Saved to this PC Search Samantha Leahy

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Hadoop Data

Result History: AttributeWeights (Linear Regression) LinearRegression (Linear Regression)

Linear Regression (Linear Regression) Results:

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
fixed acidity	-0.139	0.055	-0.132	0.999	-2.512	0.013	**
residual sugar	0.015	0.010	0.083	0.862	1.455	0.147	
alcohol	0.334	0.044	0.434	0.951	7.642	0.000	****
(Intercept)	3.161	0.623	?	?	5.074	0.000	****

Operators: linear regres

Repository: Import Data

Local Repository (Local): data, processes, HW6\_1 (3/26/23 7:01 PM - 7 kB), DB (Legacy)

Page 1 of 2 68°F Mostly sunny 9:46 PM 4/2/2023

Screenshot 2: Step 4.5 Take a screenshot of your prediction results (the one with predicted quality of the five new wines) with date and time.

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Hadoop Data

Result History: LinearRegression (Linear Regression) ExampleSet (Apply Model)

ExampleSet (Apply Model) Results:

Row No.	prediction(q...	fixed acidity	residual sug...	total sulfur d...	density	pH	alcohol
1	7.017	5.900	4.500	143	0.991	2.960	13.800
2	4.957	9.500	16.500	235	0.990	3.740	8.600
3	7.905	5.600	35	140	1.000	3.070	15
4	5.273	6.900	11.200	142	0.998	3.140	8.700
5	5.661	7.900	22.100	195	0.994	3.050	9.800

ExampleSet (5 examples, 1 special attribute, 6 regular attributes)

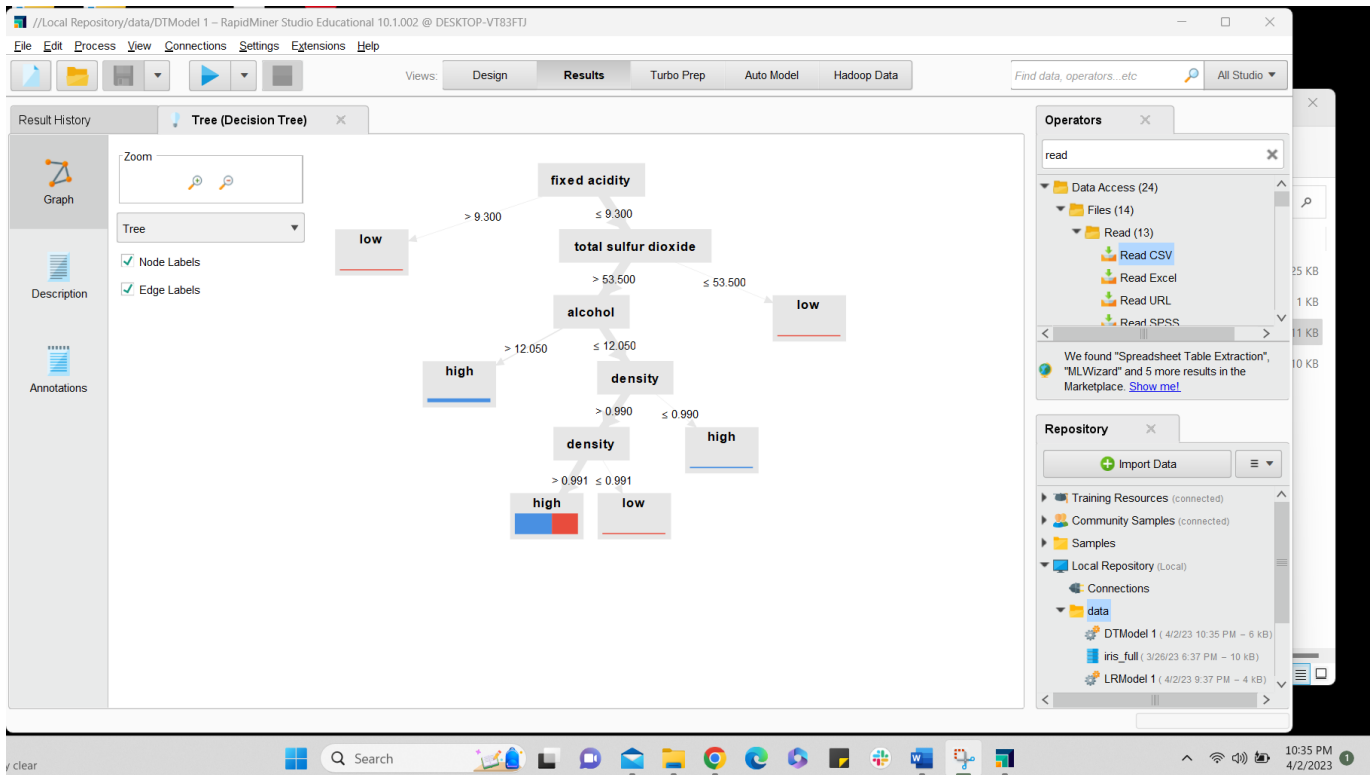
Operators: apply model

Repository: Import Data

Local Repository (Local): data, processes, iris\_full (3/29/23 6:37 PM - 10 kB), LRModel 1 (4/2/23 9:37 PM - 4 kB), LRModel 2 (4/2/23 9:54 PM - 7 kB)

68°F Mostly sunny 9:55 PM 4/2/2023

Screenshot 3: Step 6.4 Take a screenshot of your decision tree model (the one with a tree graph) with date and time.



Screenshot 4: Step 7.4 Take a screenshot of your prediction results (the one with predicted quality of the five new wines) with date and time.

The screenshot displays the RapidMiner Studio interface with the 'ExampleSet (Apply Model)' tab active. The prediction results for five new wines are shown in the following table:

Row No.	prediction(q...	confidence...	confidence(l...	fixed acidity	residual sug...	total sulfur d...	density	pH	alcohol
1	high	1	0	5.900	4.500	143	0.991	2.960	13.800
2	low	0	1	9.500	16.500	235	0.990	3.740	8.600
3	high	1	0	5.600	35	140	1.000	3.070	15
4	high	0.587	0.413	6.900	11.200	142	0.998	3.140	8.700
5	high	0.587	0.413	7.900	22.100	195	0.994	3.050	9.800

The interface also shows the 'Operators' panel on the right and the 'Repository' panel at the bottom, which lists the project files and models.

Screenshot 5: Step 9.6 Take a screenshot of your prediction results (the one with predicted quality of the five new wines) with date and time.

Result History: Logistic Regression Model (Logistic Regression) | ExampleSet (Apply Model)

Open in: Turbo Prep | Auto Model

Filter (5 / 5 examples): all

Row No.	prediction(q...	confidence(1)	confidence(0)	fixed acidity	residual sug...	total sulfur d...	density	pH	alcohol
1	1	0.988	0.012	5.900	4.500	143	0.991	2.960	13.800
2	0	0.085	0.915	9.500	16.500	235	0.990	3.740	8.600
3	1	0.999	0.001	5.600	35	140	1.000	3.070	15
4	0	0.319	0.681	6.900	11.200	142	0.998	3.140	8.700
5	1	0.506	0.494	7.900	22.100	195	0.994	3.050	9.800

ExampleSet (5 examples, 3 special attributes, 6 regular attributes)

Operators: apply mod

Repository: Import Data

Training Resources (connected)

Community Samples (connected)

Samples

Local Repository (Local)

Connections

data

DTModel 1 (4/2/23 10:35 PM - 6 kB)

DTModel 2 (4/2/23 10:49 PM - 7 kB)

iris\_full (3/26/23 6:37 PM - 10 kB)

11:10 PM 4/2/2023