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## Golf : Decision tree

The screenshot shows the RapidMiner Studio interface with the 'Results' view selected. The main area displays a table of 14 examples for the 'ExampleSet (Retrieve Golf)' process. The table has columns for Row No., Play, Outlook, Temperature, Humidity, and Wind. The 'Play' column is highlighted in green, indicating the target variable. The 'Repository' panel on the right shows the data source as 'LocalRepository (local)'.

Row No.	Play	Outlook	Temperature	Humidity	Wind
1	no	sunny	85	85	false
2	no	sunny	80	80	true
3	yes	overcast	83	78	false
4	yes	rain	70	86	false
5	yes	rain	80	80	false
6	no	rain	85	70	true
7	yes	overcast	84	65	true
8	no	sunny	72	85	false
9	yes	sunny	89	70	false
10	yes	rain	75	80	false
11	yes	sunny	75	70	true
12	yes	overcast	72	80	true
13	yes	overcast	81	75	false
14	no	rain	71	80	true

ExampleSet (14 examples, 1 special attribute, 4 regular attributes)

The screenshot shows the RapidMiner Studio interface with the 'Results' view selected. The main area displays a decision tree model for the 'Tree (Decision Tree)' process. The tree structure is as follows:

- Root node: Outlook
  - overcast: yes (red box)
  - rain: Wind
    - true: yes (red box)
    - false: no (blue box)
  - sunny: Humidity
    - > 77.500: yes (red box)
    - <= 77.500: no (blue box)

The 'Repository' panel on the right shows the data source as 'LocalRepository (local)'.

## Iris : Decision Tree

Result History | ExampleSet (Retrieve Iris) | Tree (Decision Tree)

Views: Design | Results | Turbo Prep | Auto Model | Deployments

Find data, operators, etc. | All Studio

Open in: Turbo Prep | Auto Model

Filter (150 / 150 examples): all

Row No.	id	label	a1	a2	a3	a4
1	id_1	Iris-setosa	5.100	3.500	1.400	0.200
2	id_2	Iris-setosa	4.900	3	1.400	0.200
3	id_3	Iris-setosa	4.700	3.200	1.300	0.200
4	id_4	Iris-setosa	4.600	3.100	1.500	0.200
5	id_5	Iris-setosa	5	3.600	1.400	0.200
6	id_6	Iris-setosa	5.400	3.800	1.700	0.400
7	id_7	Iris-setosa	4.600	3.400	1.400	0.300
8	id_8	Iris-setosa	5	3.400	1.500	0.200
9	id_9	Iris-setosa	4.400	2.800	1.400	0.200
10	id_10	Iris-setosa	4.600	3.100	1.500	0.100
11	id_11	Iris-setosa	5.400	3.700	1.500	0.200
12	id_12	Iris-setosa	4.800	3.400	1.600	0.200
13	id_13	Iris-setosa	4.800	3	1.400	0.100
14	id_14	Iris-setosa	4.300	3	1.100	0.100
15	id_15	Iris-setosa	5.800	4	1.200	0.200

ExampleSet (150 examples, 2 special attributes, 4 regular attributes)

Repository: Import Data | Samples | Local Repository (Local) | DB (Legacy)

Result History | ExampleSet (Retrieve Iris) | Tree (Decision Tree)

Views: Design | Results | Turbo Prep | Auto Model | Deployments

Find data, operators, etc. | All Studio

Zoom: [Zoom In] [Zoom Out]

Radial

☒ Node Labels  
☒ Edge Labels

Repository: Import Data | Samples | Local Repository (Local) | DB (Legacy)

## Labor:Decision tree

**<new process> - RapidMiner Studio Educational 9.10.011 @ DESKTOP-SCPOL6B**

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data operators... etc All Studio

Result History ExampleSet (Retrieve Labor-Negotiations) Tree (Decision Tree)

Open in Turbo Prep Auto Model Filter (40 / 40 examples): all

Row No.	class	duration	wage-inc-1st	wage-inc-2nd	wage-inc-3rd	col-ed	working-hours	pension	stat_h
27	good	2	4.500	4.500	?	tcf	?	?	?
28	good	2	3	3	?	none	33	?	?
29	good	2	5	4	?	none	37	?	?
30	bad	3	2	2.500	?	?	35	none	?
31	good	3	4.500	4.500	5	none	40	?	?
32	bad	3	3	2	2.500	tc	40	none	?
33	bad	2	2.500	2.500	?	?	38	empl_contr	?
34	bad	2	4	5	?	none	40	none	?
35	bad	3	2	2.500	2.100	tc	40	none	2
36	bad	2	2	2	?	none	40	none	?
37	bad	1	2	?	?	tc	40	ret_allow	4
38	bad	1	2.800	?	?	none	38	empl_contr	2
39	bad	3	2	2.500	2	?	37	empl_contr	?
40	good	2	4.500	4	?	none	40	?	?

ExampleSet (40 examples, 1 special attribute, 15 regular attributes)

Repository

- Import Data
- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
  - LocalRepository (Local)
  - DB (Legacy)

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Views: Design Results Turbo Prep Auto Model Deployments

Find data operators... etc All Studio

Result History ExampleSet (Retrieve Labor-Negotiations) Tree (Decision Tree)

Zoom Balloon

Node Labels Edge Labels

```
graph TD; pension[pension] -- none --> bad1[bad]; pension -- "?" --> good1[good]; pension -- empl_contr --> statutory_holidays[statutory-holidays]; statutory_holidays -- "< 10.500" --> bad2[bad]; statutory_holidays -- "> 10.500" --> good2[good]; pension -- ret_allow --> bad3[bad];
```

Repository

- Import Data
- Samples
  - Deals
  - Deals-Testset
  - Golf
  - Golf-Testset
  - Iris
  - Labor-Negotiations
  - Market-Data
  - Polynomial
  - Products
  - Purchases
  - Ripley-Set
  - Sonar
  - Titanic
  - Titanic Training
  - Titanic Unlabeled
  - Transactions
  - Weighting
- processes
- Templates
- TimeSeries

## Polynomial : Linear Regression

**<new process> - RapidMiner Studio Educational 9.10.011 @ DESKTOP-SCPOL6B**

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Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History: ExampleSet (Retrieve Polynomial) LinearRegression (Linear Regression)

Open in: Turbo Prep Auto Model

Filter (200 / 200 examples): all

Row No.	label	a1	a2	a3	a4	a5
1	88.016	0.637	8.442	2.116	2.772	8.448
2	108.755	4.585	4.388	4.926	2.692	8.618
3	88.284	4.292	0.861	9.158	6.607	4.005
4	82.148	8.580	3.858	1.038	1.888	2.883
5	93.780	2.272	1.824	6.301	1.838	2.070
6	7.388	3.858	0.344	4.337	7.583	8.581
7	181.453	2.220	7.843	6.463	8.732	8.282
8	15.348	6.105	1.075	1.163	9.241	7.238
9	97.405	2.691	3.572	7.806	6.843	3.054
10	111.497	4.263	7.388	0.821	6.838	3.876
11	203.574	1.384	9.048	9.880	2.573	1.538
12	140.767	6.228	8.381	0.351	3.638	6.234
13	258.381	9.812	9.842	5.305	6.681	7.118
14	20.330	1.383	1.489	7.847	2.043	0.000
15	105.813	0.687	6.844	0.001	4.557	3.258

ExampleSet (200 examples, 1 special attribute, 5 regular attributes)

Repository: Import Data

- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
  - LocalRepository (Local)
  - DB (Legacy)

9:51 AM 10/25/2022

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History: ExampleSet (Retrieve Polynomial) LinearRegression (Linear Regression)

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Coll.
a1	31.736	2.114	0.463	1.000	15.008	0	****
a2	42.848	1.928	0.688	0.999	22.276	0	****
a3	28.773	2.000	0.368	1.000	11.888	0	****
a4	3.706	2.060	0.056	1.000	1.788	0.074	*
a5	-4.184	1.823	-0.088	0.999	-2.176	0.031	**
(Intercept)	-304.228	23.803	?	?	-12.888	0	****

Repository: Import Data

- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
  - LocalRepository (Local)
  - DB (Legacy)

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## Purchase: K-Medoits

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History ExampleSet (Clustering) Cluster Model (Clustering)

Open in Turbo Prep Auto Model Filter (3 / 3 examples): all

Row No.	id	cluster	CAR	APPARTEMENT	VILLA	POOR	AVERAGE	RICH
1	1	cluster_0	false	true	false	true	false	false
2	2	cluster_0	true	true	false	false	true	false
3	3	cluster_1	true	false	true	false	false	true

ExampleSet (3 examples, 2 special attributes, 6 regular attributes)

Repository

- Import Data
- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
- LocalRepository (Local)
- DB (Legacy)

Speaker/HP (Realtek High Definition Audio): Muted

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Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History ExampleSet (Clustering) Cluster Model (Clustering)

Cluster Model

Cluster 0: 2 items  
Cluster 1: 1 items  
Total number of items: 3

Repository

- Import Data
- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
- LocalRepository (Local)
- DB (Legacy)

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## Ripley-set: Linear Regression

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History ExampleSet (Retrieve Ripley-Set) LinearRegression (Linear Regression)

Open in Turbo Prep Auto Model

Filter (250 / 250 examples): all

Row No.	label	att1	att2
1	0	0.051	0.161
2	0	-0.748	0.086
3	0	-0.773	0.263
4	0	0.219	0.127
5	0	0.373	0.487
6	0	-0.629	0.632
7	0	-0.433	0.145
8	0	-0.842	-0.161
9	0	0.475	0.225
10	0	0.321	0.327
11	0	0.321	0.334
12	0	-0.881	0.412
13	0	0.179	0.447
14	0	0.316	0.388
15	0	0.558	0.473

ExampleSet (250 examples, 1 special attribute, 2 regular attributes)

Repository

- Import Data
- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
- LocalRepository (Local)
  - DB (Legacy)

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History ExampleSet (Retrieve Ripley-Set) LinearRegression (Linear Regression)

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
att1	0.177	0.046	0.173	0.961	3.858	0.000	****
att2	1.314	0.088	0.668	0.961	14.897	0	****
(Intercept)	-0.150	0.050	?	?	-2.977	0.003	***

Repository

- Import Data
- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
- LocalRepository (Local)
  - DB (Legacy)

## Sonar: Linear Regression

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data operators... etc All Studio

Result History: ExampleSet (Retrieve Sonar) LinearRegression (Linear Regression)

Open in: Turbo Prep Auto Model Filter (208 / 208 examples): all

Row No.	class	attribute_1	attribute_2	attribute_3	attribute_4	attribute_5	attribute_6	attribute_7	attribute
1	Rock	0.020	0.037	0.043	0.021	0.065	0.069	0.154	0.160
2	Rock	0.045	0.052	0.064	0.066	0.116	0.250	0.216	0.348
3	Rock	0.026	0.059	0.110	0.108	0.067	0.228	0.243	0.377
4	Rock	0.010	0.017	0.062	0.021	0.021	0.037	0.110	0.128
5	Rock	0.076	0.067	0.048	0.039	0.059	0.065	0.121	0.247
6	Rock	0.029	0.045	0.029	0.017	0.039	0.069	0.120	0.183
7	Rock	0.032	0.096	0.132	0.141	0.167	0.171	0.073	0.140
8	Rock	0.052	0.055	0.064	0.032	0.116	0.092	0.103	0.061
9	Rock	0.022	0.037	0.048	0.048	0.065	0.059	0.075	0.010
10	Rock	0.016	0.017	0.035	0.007	0.016	0.067	0.106	0.070
11	Rock	0.004	0.006	0.015	0.034	0.031	0.028	0.040	0.027
12	Rock	0.012	0.031	0.017	0.031	0.036	0.010	0.018	0.059
13	Rock	0.009	0.006	0.005	0.025	0.034	0.055	0.053	0.066
14	Rock	0.009	0.006	0.025	0.048	0.120	0.159	0.139	0.069

ExampleSet (208 examples, 1 special attribute, 60 regular attributes)

Repository: Import Data

- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
- LocalRepository (Local)
- 08 (Legacy)

**<new process> - RapidMiner Studio Educational 9.10.011 @ DESKTOP-SCPOL6B**

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data operators... etc All Studio

Result History: ExampleSet (Retrieve Sonar) LinearRegression (Linear Regression)

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
attribute_1	2.053	1.670	0.064	0.904	1.042	0.299	
attribute_2	2.007	1.900	0.192	0.930	1.115	0.267	
attribute_3	-5.631	1.679	-0.433	0.896	-3.353	0.001	***
attribute_4	9.253	1.035	0.303	0.953	3.142	0.002	***
attribute_8	-1.181	0.631	-0.203	0.910	-1.888	0.061	*
attribute_9	0.843	0.753	0.223	0.950	1.251	0.213	
attribute_10	-0.381	0.699	-0.102	0.802	-0.552	0.582	
attribute_11	0.247	0.782	0.066	0.701	0.316	0.752	
attribute_12	1.027	0.633	0.296	0.777	1.621	0.107	
attribute_13	0.422	0.632	0.119	0.951	0.669	0.505	
attribute_14	-0.381	0.576	-0.119	0.955	-0.627	0.532	
attribute_15	0.257	0.591	0.106	0.996	0.443	0.659	
attribute_16	-0.256	0.585	-0.119	1.000	-0.453	0.652	
attribute_17	-0.696	0.590	-0.367	1.000	-1.181	0.240	
attribute_18	1.007	0.553	0.527	1.000	1.821	0.071	*

Repository: Import Data

- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
- LocalRepository (Local)
- 08 (Legacy)

## Weighting: Linear regression

**<new process> - RapidMiner Studio Educational 9.10.011 @ DESKTOP-SCPOL6B**

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History: ExampleSet (Retrieve Weighting) LinearRegression (Linear Regression)

Open in: Turbo Prep Auto Model Filter (500 / 500 examples): all

Row No.	weighting.dat (7)	weighting.dat (1)	weighting.dat (2)	weighting.dat (3)	weighting.dat (4)	weighting.dat (5)	weighting.dat (6)
1	negative	2.522	9.812	5.474	9.708	3.058	3.380
2	positive	7.858	7.723	6.137	5.415	4.316	5.141
3	negative	0.117	5.276	0.801	6.577	4.378	2.075
4	negative	1.913	7.888	3.788	8.888	0.910	6.283
5	negative	4.823	2.888	9.838	2.148	2.631	7.884
6	positive	9.085	1.374	4.541	0.388	2.821	0.773
7	negative	0.858	5.487	0.281	1.712	7.141	7.054
8	negative	9.454	6.764	9.871	5.705	4.959	8.023
9	negative	0.212	5.010	6.888	7.555	3.913	8.200
10	positive	8.702	4.536	5.718	3.834	7.028	9.395
11	positive	9.375	3.521	9.745	7.373	7.541	4.485
12	positive	9.918	7.514	5.418	4.280	4.281	2.280
13	positive	8.838	2.022	2.778	7.401	3.918	4.288
14	positive	8.827	5.722	3.848	1.618	0.200	0.477
15	negative	3.053	8.827	9.004	1.685	6.743	0.142

ExampleSet (500 examples, 1 special attribute, 6 regular attributes)

Repository: Import Data

- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
  - LocalRepository (Local)
  - DB (Legacy)

Windows Taskbar: 11:09 AM 10/25/2022

**<new process> - RapidMiner Studio Educational 9.10.011 @ DESKTOP-SCPOL6B**

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Deployments

Find data, operators, etc. All Studio

Result History: ExampleSet (Retrieve Weighting) LinearRegression (Linear Regression)

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Coll.
weighting.dat (1)	0.122	0.004	0.708	1.000	27.432	0	****
weighting.dat (2)	-0.052	0.005	-0.298	0.999	-11.526	0	****
weighting.dat (3)	-0.047	0.004	-0.271	1.000	-10.468	0	****
(Intercept)	0.381	0.040	?	?	9.580	0	****

Repository: Import Data

- Samples
  - data
  - processes
  - Templates
  - TimeSeries
  - Tutorials
  - LocalRepository (Local)
  - DB (Legacy)

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