

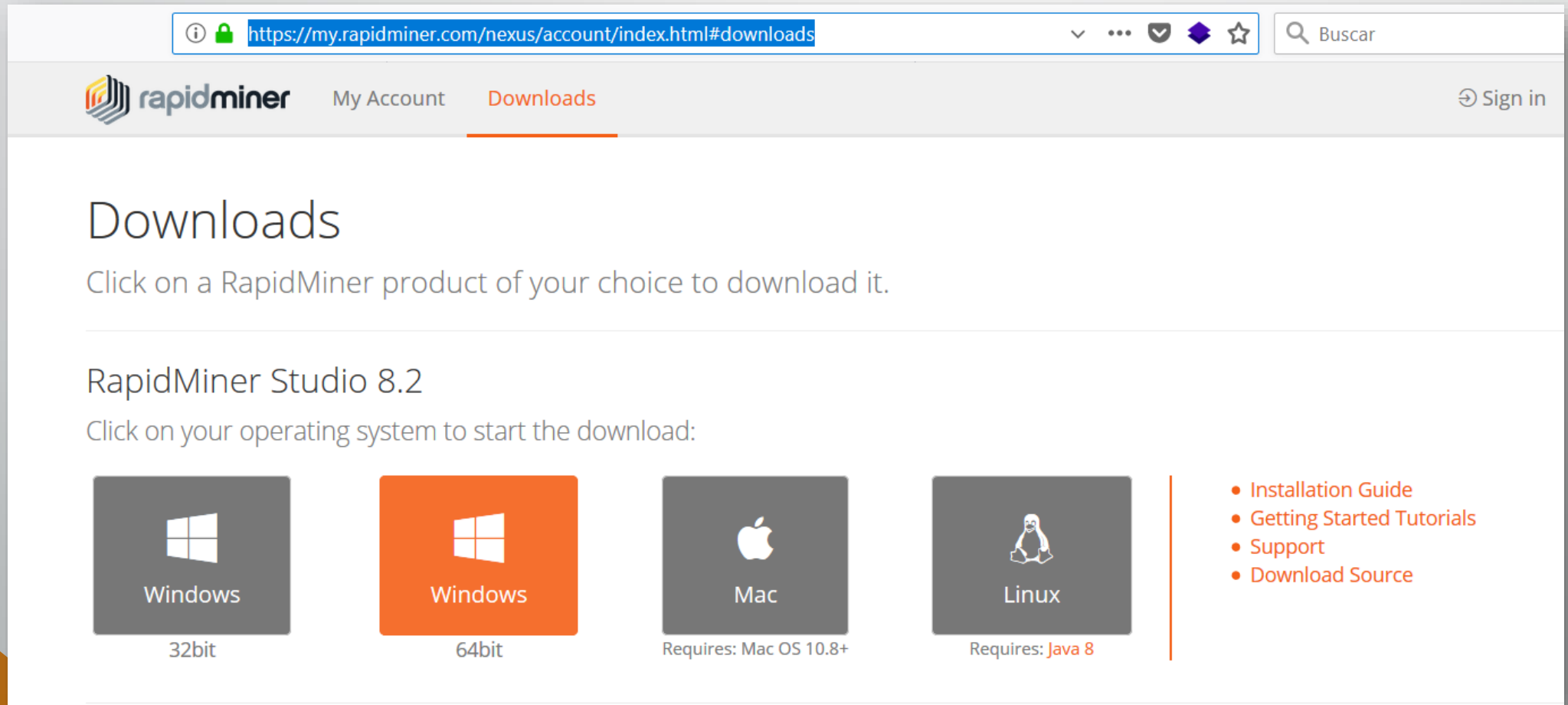


rapidminer
Software de minería de datos orientado al trading

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Descargar

- <https://my.rapidminer.com/nexus/account/index.html#downloads>



The screenshot shows the 'Downloads' page of the RapidMiner user interface. At the top, there is a browser address bar with the URL 'https://my.rapidminer.com/nexus/account/index.html#downloads'. Below the address bar is a navigation bar with the RapidMiner logo, 'My Account', and 'Downloads' (which is highlighted with an orange underline). A 'Sign in' link is visible on the right. The main heading is 'Downloads', followed by the instruction 'Click on a RapidMiner product of your choice to download it.' Below this, the section 'RapidMiner Studio 8.2' is shown with the instruction 'Click on your operating system to start the download:'. There are four download buttons: 'Windows 32bit' (grey), 'Windows 64bit' (orange), 'Mac' (grey, with the requirement 'Requires: Mac OS 10.8+'), and 'Linux' (grey, with the requirement 'Requires: Java 8'). To the right of these buttons is a list of links: 'Installation Guide', 'Getting Started Tutorials', 'Support', and 'Download Source'.


rapidminer My Account Downloads Sign in


Downloads


Click on a RapidMiner product of your choice to download it.


RapidMiner Studio 8.2

Click on your operating system to start the download:


Windows
32bit


Windows
64bit


Mac
Requires: Mac OS 10.8+



Linux
Requires: Java 8

- Installation Guide
- Getting Started Tutorials
- Support
- Download Source






Registro

×

Create a RapidMiner account



You'll use your RapidMiner Account to access:

-  the Community forum
-  the Extensions Marketplace
-  free cloud storage
-  product news and updates
-  product license information

☐ Commercial (e.g., business, evaluation, not-for-profit)

☒ Educational (e.g., educator, student)


Your first name

Clindy

Your last name

Lopez

The first name must not be empty!

 **Create my Account!**

[I already have an account or license key](#)

Ingresar en la cuenta

[My Account](#) [Downloads](#)

Sign in to your account:

What's your email?

What's your password? [Forgot your password?](#)

Sign in

Don't have an account yet? [Register.](#)

Tablero de trabajo

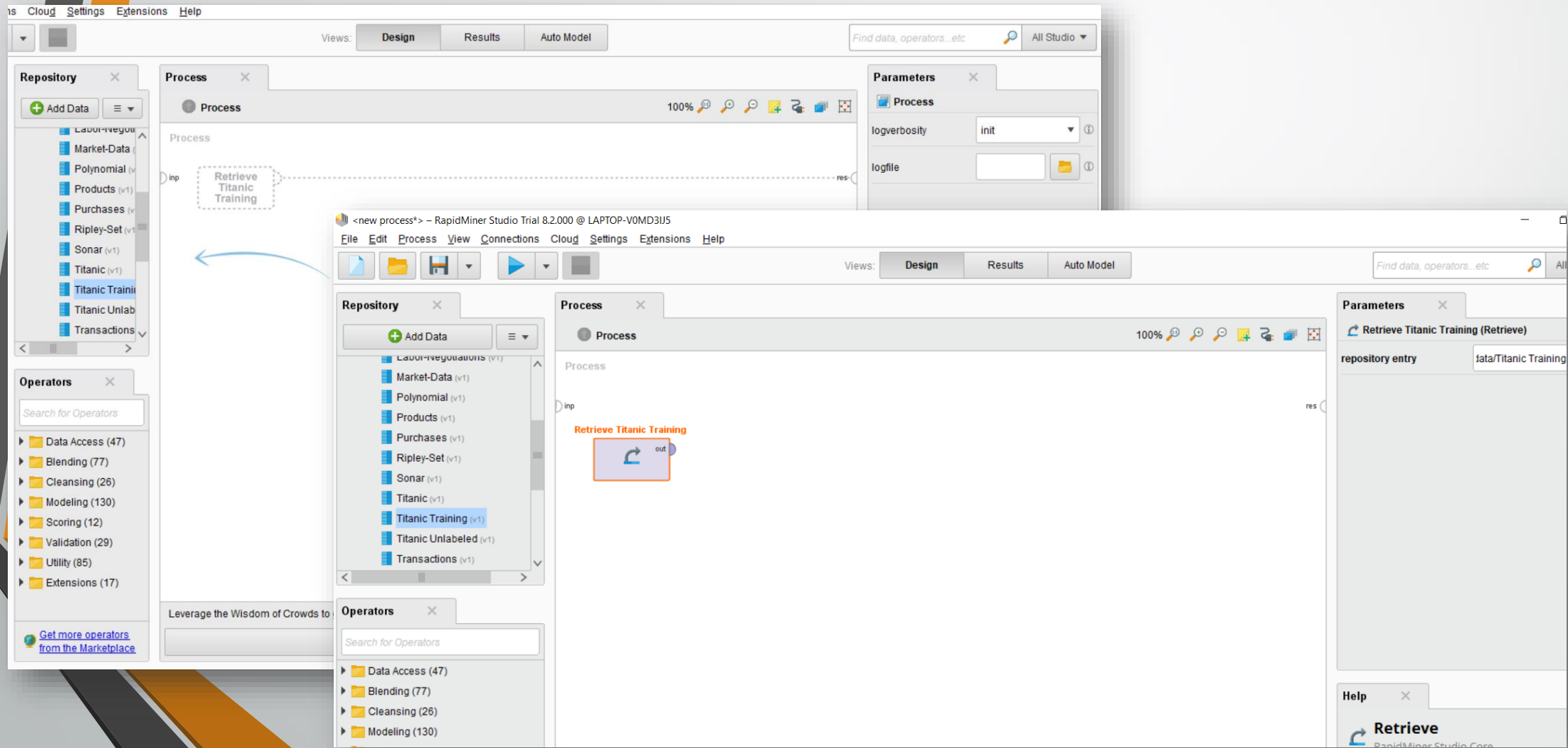
The screenshot displays the RapidMiner Studio interface. At the top, the title bar reads "<new process> - RapidMiner Studio Trial 8.2.000 @ LAPTOP-V0MD3IU5". The menu bar includes File, Edit, Process, View, Connections, Cloud, Settings, Extensions, and Help. Below the menu is a toolbar with icons for file operations and a "Views" section with tabs for Design, Results, and Auto Model. A search bar on the right says "Find data, operators...etc" with a magnifying glass icon and a dropdown menu set to "All Studio".

The main workspace is divided into several panels:

- Repository:** Located on the left, it contains a tree view of data sources. Under the "Samples" folder, the "data" folder is expanded, showing various datasets like Deals (v1), Deals-Testset (v1), Golf (v1), Golf-Testset (v1), Iris (v1), Labor-Negotiations (v1), Market-Data (v1), Polynomial (v1), and Products (v1). There is an "Add Data" button at the top of this panel.
- Operators:** Also on the left, below the Repository, it features a search bar labeled "Search for Operators" and a list of operator categories with counts: Data Access (47), Blending (77), Cleansing (26), Modeling (130), Scoring (12), Validation (29), Utility (85), and Extensions (17). A link at the bottom says "Get more operators from the Marketplace".
- Process:** The central canvas, titled "Process", is currently empty. It has a zoom level of 100% and a toolbar with icons for zooming, panning, and adding operators. A message in the center of the canvas reads: "Your process looks empty. Add some data first. Drag data or operators here." At the bottom of this panel, there is a message: "Leverage the Wisdom of Crowds to get operator recommendations based on your process design!" with a green checkmark and a button labeled "Activate Wisdom of Crowds".
- Parameters:** On the right, it shows the parameters for the selected "Process" operator. It includes a "logverbosity" dropdown set to "init" and a "logfile" text field. There are links for "Show advanced parameters" and "Change compatibility (8.2.000)".
- Help:** At the bottom right, it provides information about the "Process" operator, including its synopsis ("The root operator which is the outer most operator of every process.") and description ("Each process must contain exactly one operator of this class, and it must be the root operator of the").

The Windows taskbar is visible at the bottom, showing various application icons and the system clock indicating 3:21 PM.

Cargar datos en el tablero



Crear conexión y ejecutar el proceso

Views: Design Results Auto Model

Repository

+ Add Data

- Labor-vegon
- Market-Data
- Polynomial (v1)
- Products (v1)
- Purchases (v1)
- Ripley-Set (v1)
- Sonar (v1)
- Titanic (v1)
- Titanic Training**
- Titanic Unlab
- Transactions

Process

Process

100%

Retrieve Titanic Training

inp out

res

res

Welcome to RapidMiner!

We have a super brief introduction to using RapidMiner on the left of your screen. Check it out!

Operators

Search for Operators

- Data Access (47)
- Blending (77)

Información conectada

o Trial 8.2.000 @ LAPTOP-V0MD3IJ5

ctions Cloud Settings Extensions Help

Views: Design Results Auto Model

Result History ExampleSet (Retrieve Titanic Training) X

ExampleSet (916 examples, 1 special attribute, 6 regular attributes) Filter (916 / 916 examples): all

Row No.	Survived	Age	Passenger ...	Sex	No of Sibling...	No of Parent...	Passenger F...
1	Yes	29	First	Female	0	0	211.338
2	No	2	First	Female	1	2	151.550
3	No	30	First	Male	1	2	151.550
4	No	25	First	Female	1	2	151.550
5	Yes	48	First	Male	0	0	26.550
6	Yes	63	First	Female	1	0	77.958
7	No	39	First	Male	0	0	0
8	Yes	18	First	Female	1	0	227.525
9	Yes	26	First	Female	0	0	78.850
10	Yes	80	First	Male	0	0	30
11	No	29.881	First	Male	0	0	25.925
12	No	24	First	Male	0	1	247.521
13	Yes	50	First	Female	0	1	247.521
14	Yes	32	First	Female	0	0	76.292

Data

Statistics

Charts

Advanced Charts

Annotations

Filtrar datos seleccionados

al 8.2.000 @ LAPTOP-V0MD3IJ5

ns Cloud Settings Extensions Help

Views: Design Results Auto Model

Repository

- + Add Data
- Labour-vegon...
- Market-Data (v1)
- Polynomial (v1)
- Products (v1)
- Purchases (v1)
- Ripley-Set (v1)
- Sonar (v1)
- Titanic (v1)
- Titanic Trainin...
- Titanic Unlabe...
- Transactions

Process

Process

Retrieve Titanic Trai...

Filter Examples

exa

ori

unm

Repository

- + Add Data
- Labour-vegon...
- Market-Data (v1)
- Polynomial (v1)
- Products (v1)
- Purchases (v1)
- Ripley-Set (v1)
- Sonar (v1)
- Titanic (v1)
- Titanic Trainin...
- Titanic Unlabe...

Process

Process

Retrieve Titanic Trai...

Filter Examples

exa

ori

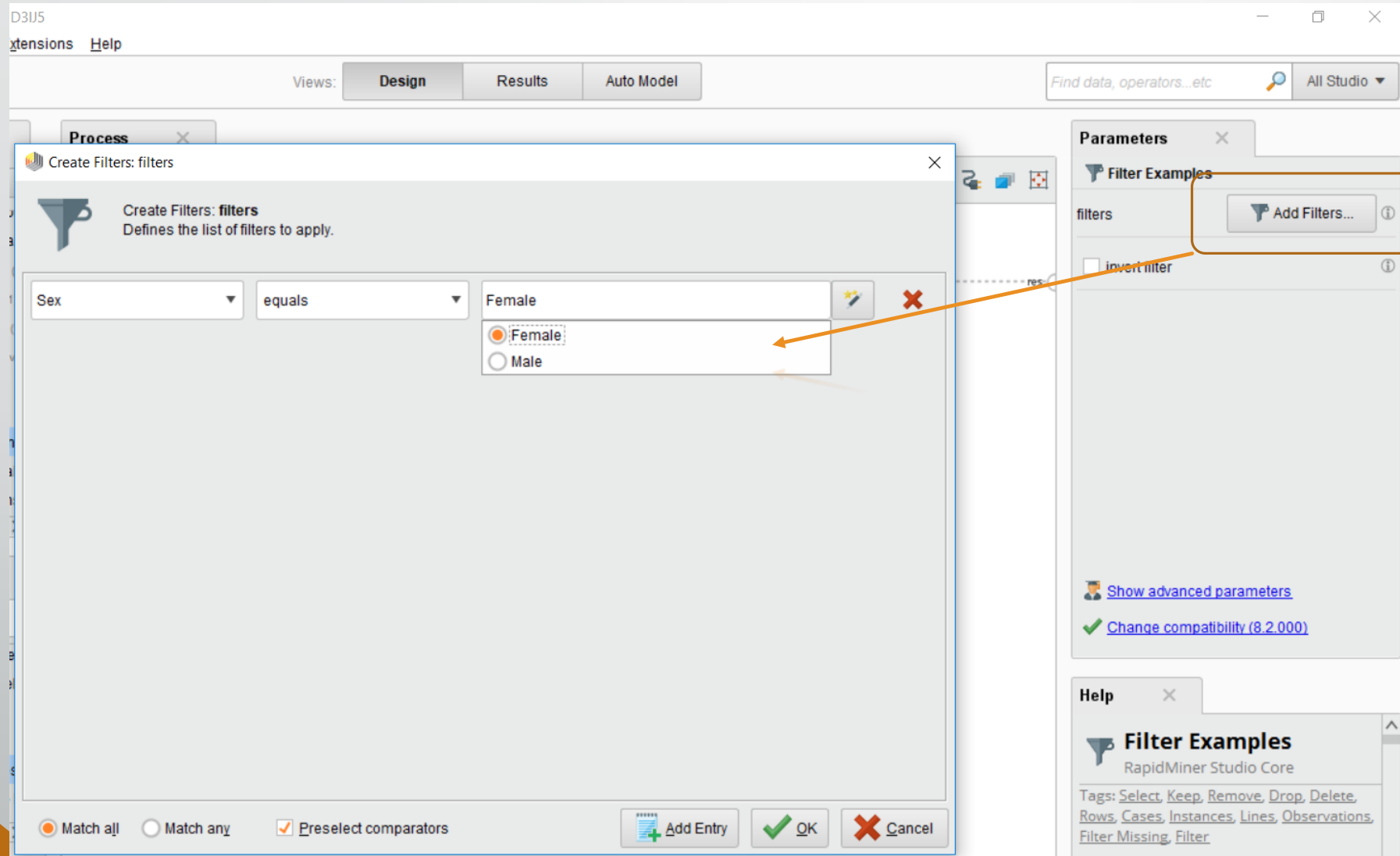
unm

Operators

filter

- Remove Useles...
- Remove Correla...
- Examples (2)
- Filter (2)
- Filter Examples
- Filter Example R...

Filtrar el costo de pasajes de mujeres



Ordenar por

Views: Design Results Auto Model

Find data, operators...etc All Studio

Repository

- Labov-Regouz
- Market-Data (v1)
- Polynomial (v1)
- Products (v1)
- Purchases (v1)
- Ripley-Set (v1)
- Sonar (v1)
- Titanic (v1)
- Titanic Training
- Titanic Unlabeled
- Transactions

Operators

sort

Blending (4)

- Attributes (1)
 - Reorder Attributes
- Examples (3)
- Sort (3)
 - Sort
 - Sort by Pareto Rank
 - Shuffle

Process

Process

100%

Process

Retrieve Titanic Trai... Filter Examples Sort

inp out exa exa exa exa res res

Parameters

Sort

attribute name Passenger Fare

sorting direction decreasing

Help

Sort

RapidMiner Studio Core

Tags: Rank, Order, Ascending, Descending, Sort


Synopsis

This operator sorts the input


Resultados

Result History


ExampleSet (Sort) X




Data




Statistics



Charts



Advanced Charts



Annotations

ExampleSet (322 examples, 1 special attribute, 6 regular attributes)

Filter (322 / 322 examples): all

Row No.	Survived	Age	Passenger ...	Sex	No of Sibling...	No of Parent...	Passenger F...
1	Yes	35	First	Female	0	0	512.329
2	Yes	24	First	Female	3	2	263
3	Yes	23	First	Female	3	2	263
4	Yes	60	First	Female	1	4	263
5	Yes	36	First	Female	0	0	262.375
6	Yes	18	First	Female	2	2	262.375
7	Yes	48	First	Female	1	3	262.375
8	Yes	50	First	Female	0	1	247.521
9	Yes	18	First	Female	1	0	227.525
10	Yes	42	First	Female	0	0	227.525
11	Yes	29	First	Female	0	0	221.779
12	No	63	First	Female	1	0	221.779
13	Yes	35	First	Female	0	0	211.500
14	Yes	29	First	Female	0	0	211.338
15	Yes	15	First	Female	0	1	211.338
16	Yes	20	First	Female	0	0	164.987

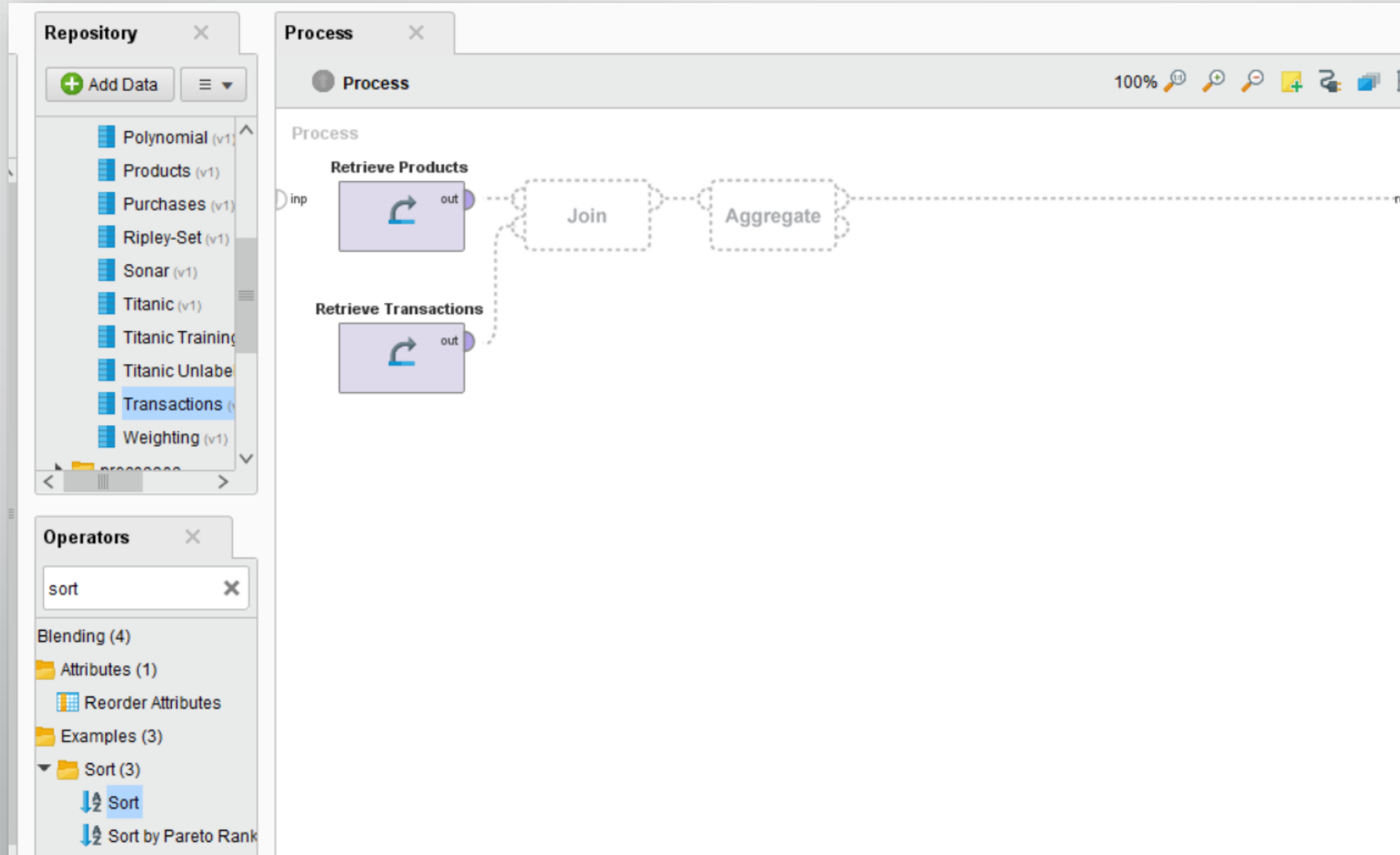
Agrupando datos de distintas fuentes

- Fuente 1: Productos vendidos
- Fuente 2: Transacciones (Qué cliente compro qué producto)

Después de combinar estos conjuntos, podemos responder preguntas sobre:

- El producto comprado con más frecuencia.
- Quién es su cliente más fiel.

Agrupando datos de distintas fuentes



Views: DesignResultsAuto Model

Find data, operators... etcAll Studio

Repository

Add Data

Polynomial (v1)
Products (v1)
Purchases (v1)
Ripley-Set (v1)
Sonar (v1)
Titanic (v1)
Titanic Training
Titanic Unlabel
Transactions (v1)
Weighting (v1)

Process

Process

Retrieve Products

Retrieve Transactions

Join

Aggregate

Parameters

Join

join typeinner

use id attribute as key

key attributesEdit List (0)...

Edit Parameter List: key attributes

Edit Parameter List: key attributes

The attributes which shall be used for join. Attributes which shall be matched must be of the same type.

left key attributes	right key attributes
Product ID	Product ID

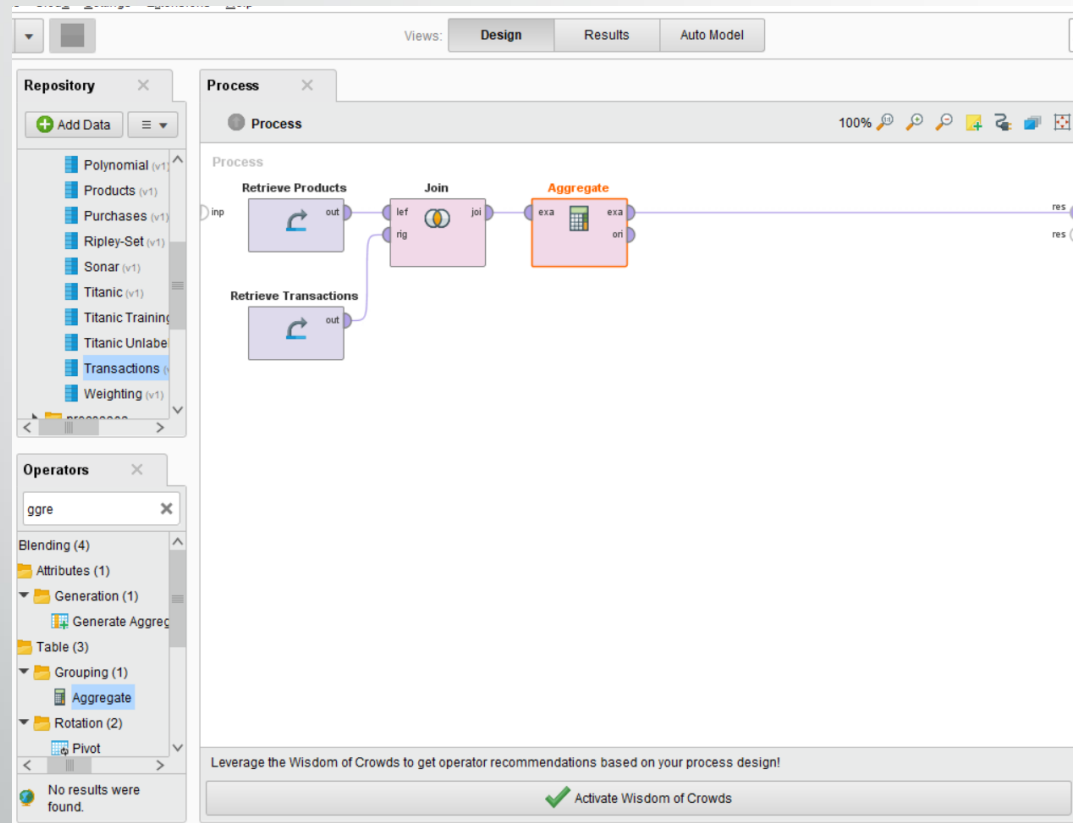
Add Entry

Remove Entry

Apply

Cancel

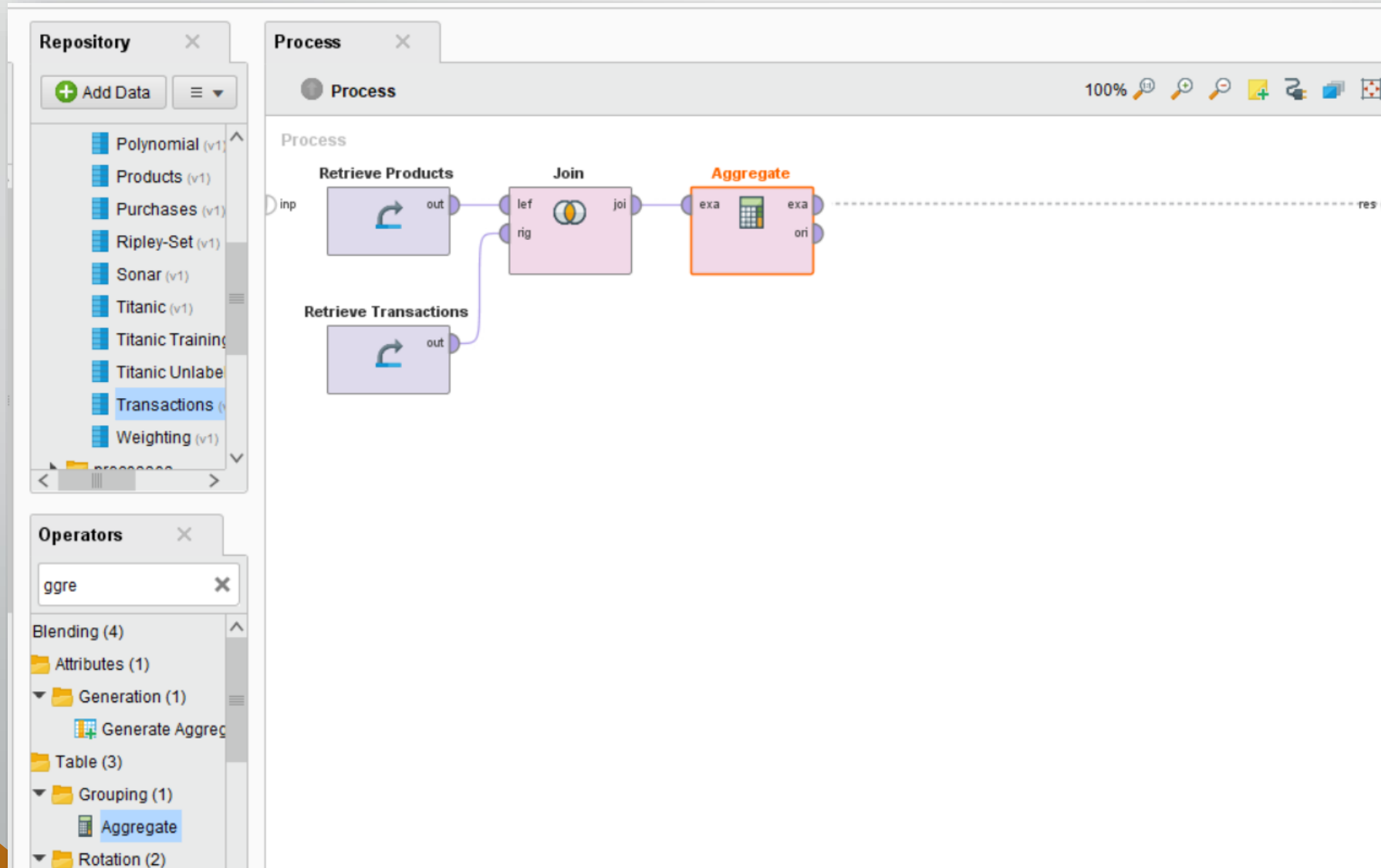
Operador "Aggregate"



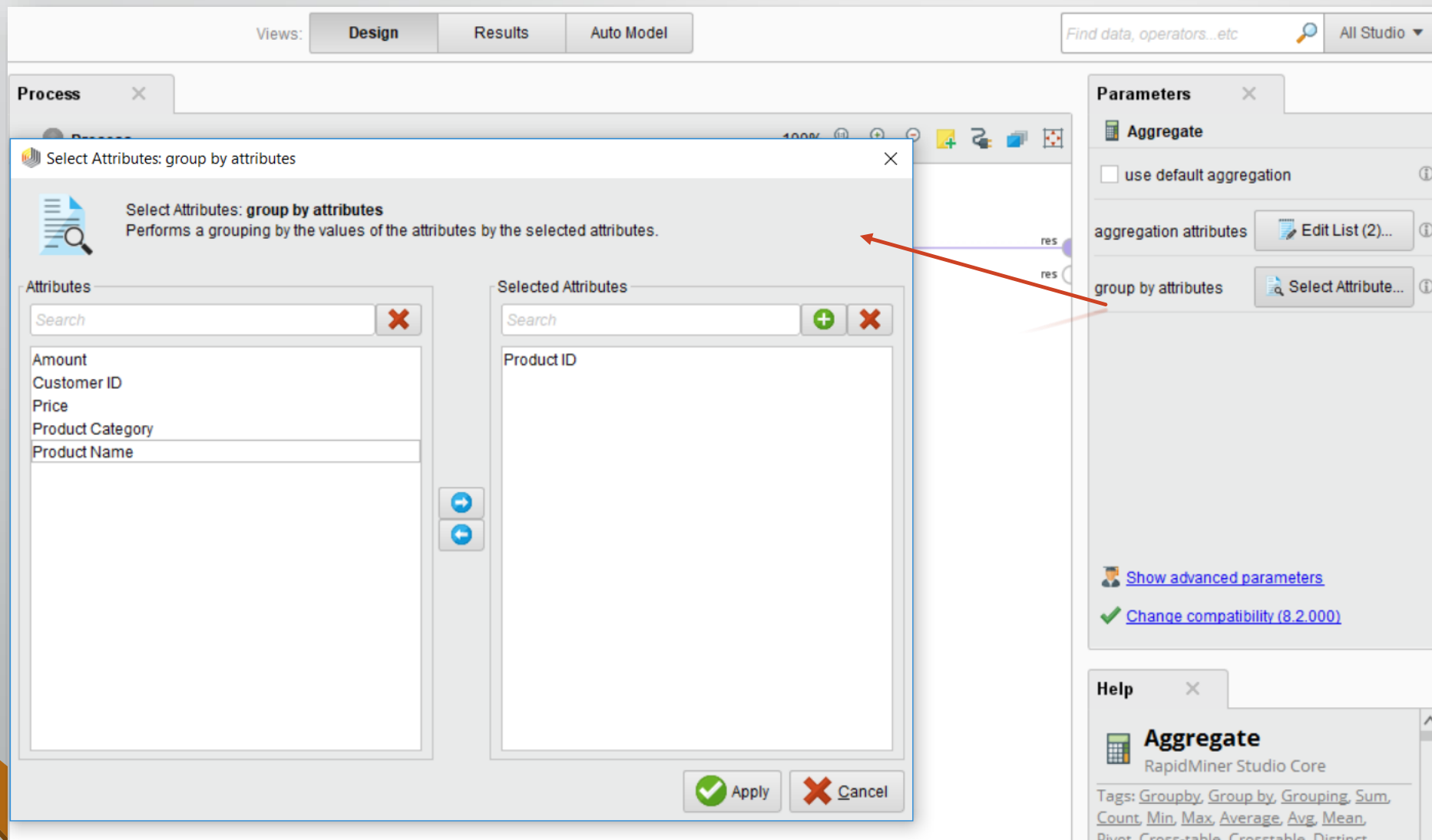
"Aggregate" realiza un "grupo por función y parámetros definidos". Junto a las uniones y filtros, la función "Aggregate" es uno de los operadores más importantes para la combinación de datos.

En este caso, agrupa los datos por producto, cuenta el número de compras para cada producto. El resultado es una tabla de todos los productos con los siguientes atributos: identificación del producto, nombre del producto y número de clientes que compraron el producto.

Agrupar los datos para contar las compras de productos.



Seleccionar atributos de agrupación



Agrupar por cliente y aplicar función de conteo

The screenshot displays the RapidMiner Studio interface. A dialog box titled "Edit Parameter List: aggregation attributes" is open, showing a table with two columns: "aggregation attribute" and "aggregation functions". The table contains one entry: "Customer ID" for the attribute and "count" for the function. The dialog also includes buttons for "Add Entry", "Remove Entry", "Apply", and "Cancel".

In the background, the "Parameters" panel for the "Aggregate" operator is visible. It shows the following settings:

- ☐ use default aggregation
- aggregation attributes: [Edit List \(0\)...](#)
- group by attributes: [Select Attribute...](#)
- [Show advanced parameters](#)
- [Change compatibility \(8.2.000\)](#)

The "Help" panel at the bottom right shows the "Aggregate" operator description and a list of tags: Groupby, Group by, Grouping, Sum, Count, Min, Max, Average, Avg, Mean, Pivot, Cross-table, Crosstable, Distinct.

Añadir parámetro

The image shows a screenshot of the RapidMiner Studio Core interface. A dialog box titled "Edit Parameter List: aggregation attributes" is open, allowing users to define aggregation attributes and functions. The dialog contains a table with two columns: "aggregation attribute" and "aggregation functions".

aggregation attribute	aggregation functions
Customer ID	count
Product Name	mode

At the bottom of the dialog are buttons for "Add Entry", "Remove Entry", "Apply", and "Cancel".

In the background, the "Parameters" panel for the "Aggregate" node is visible. It includes a checkbox for "use default aggregation", buttons for "Edit List (1)..." and "Select Attribute...", and links for "Show advanced parameters" and "Change compatibility (8.2.000)".

The "Help" panel at the bottom right shows the "Aggregate" node description, including tags: Groupby, Group by, Grouping, Sum, Count, Min, Max, Average, Avg, Mean.

Resultados

Trial 8.2.000 @ LAPTOP-V0MD3IJ5

ions Cloud Settings Extensions Help

Views: Design Results Auto Model

Result History ExampleSet (Aggregate) X

ExampleSet (178 examples, 0 special attributes, 3 regular attributes) Filter (178 / 178 examples): all

Row No. ↑	Product ID	count(Customer ID)	mode(Product Name)
1	1	19	Repressitol
2	2	8	Ritalout
3	3	9	Comanapracil
4	4	14	Serum 114
5	5	9	Hypnocil
6	6	13	Substance D
7	7	13	Hydronium Bromide
8	8	12	Azoth
9	9	12	Digitalin
10	10	7	Stim pack
11	11	11	Damascus Rose
12	12	15	Nepenthe
13	13	10	Blaccine
14	14	12	Teamocil
15	15	11	Metazine
16	16	11	Chamalla extract
17	17	19	Doloxan
18	18	15	Morpha
19	19	17	Serisone
20	20	11	Bittamucin

Ejercicio

- ¿Qué producto se vendió con mayor frecuencia?
- ¿Qué producto se vendió solo 5 veces?
- ¿Puede averiguar en la pestaña Estadísticas cuál fue el número promedio de transacciones?
- ¿Puedes ver también la distribución visual de los valores en esta pestaña?
- La función de conteo cuenta el número de transacciones para cada producto, pero cada producto también se puede comprar varias veces en cada transacción.
- ¿Puedes cambiar los parámetros de Agregado para que se calcule la suma total de cada producto?
- ¿Qué productos se han vendido más de 65 veces?