

Pinax Instruction Manual

Table of Contents

Information for the tool	2
Query Builder Manual.....	3
Result Frame.....	6

Information for the tool

The screenshot shows the Pinax application window. At the top, there are three buttons: "Add Files", "Help", and "Wipe Data". The main area is divided into two panels. The left panel contains two tables, each with a header row and six data rows. The first table has columns "joomlatool..." and "Type", with data rows for "Month" (Integer), "SchActivity" (Integer), "PrjActivity" (Integer), "cumulPtime" (Double), "cumulSchAct..." (Double), and "cumulPrjActi..." (Double). The second table has columns "try" and "Type", with identical data rows. The right panel is a query builder with several sections: "Primary Table" (a text field), "Tables for joining" (a text field), "Table Aliases" (a text field), "Attributes to be returned" (a text field), "Join Filters" (a text field), "Join Types" (a text field), and "Where Filters" (a text field). At the bottom of the right panel are two buttons: "Custom Query" and "Run Query".

joomlatool...	Type
Month	Integer
SchActivity	Integer
PrjActivity	Integer
cumulPtime	Double
cumulSchAct...	Double
cumulPrjActi...	Double

try	Type
Month	Integer
SchActivity	Integer
PrjActivity	Integer
cumulPtime	Double
cumulSchAct...	Double
cumulPrjActi...	Double

Here are some basic information for the tool. In this image we see the main window of the tool.

1. In the left panel we can see the names of the registered tables, their columns names, and their data type.
2. In the right panel we have the query builder. Query builder is a bunch of text fields, where the user types the parameters for the sql query. We also have the [Run Query](#) button which creates the query and executes it, and the [Custom Query](#) button where the user can type any sql query he wants himself.
3. We also have 3 buttons in the upper menu. The first one called [Add files](#) is used to register files VIA a file chooser. The [Help](#) button opens this instruction manual and the [Wipe Data](#), clears all the registered files from the tool.

Query Builder Manual

Here are the basic instructions on how to use the query builder provided by the tool.

1. Always add a primary table in the primary table field.
2. When adding parameters, everything should be splitted by a , (comma)

Pinax

Add Files Help Wipe Data

joomla...	Type
Month	Integer
SchActivity	Integer
PrjActivity	Integer
cumulPtime	Double
cumulSchAct...	Double
cumulPrjActi...	Double

try	Type
Month	Integer
SchActivity	Integer
PrjActivity	Integer
cumulPtime	Double
cumulSchAct...	Double
cumulPrjActi...	Double

Primary Table

try

Tables for joining

Table Aliases

Attributes to be returned

Month, PrjActivity, cumulPtime

Join Filters

Join Types

Where Filters

Custom Query Run Query

Here we can see in the attributes text field that all the attributes are splitted by a coma. This should be done in all the text fields, in case of multiple parameters.

- When joining tables, the join filters, table aliases and join types should be in the proper order for the tool to function properly.

Pinax

Add Files Help Wipe Data

1_5m	Type
id	String
name	String
year	String
rating	String
certificate	String
duration	String
genre	String
votes	String
gross_income	String
directors_id	String
directors_na...	String
stars_id	String
stars_name	String
description	String

1m	Type
id	String
name	String
year	String
rating	String
certificate	String
duration	String
genre	String
votes	String
gross_income	String
directors_id	String
directors_na...	String
stars_id	String
stars_name	String
description	String

500k	Type
id	String
name	String

Primary Table

500k

Tables for joining

1m, 1_5m

Table Aliases

f, o, t

Attributes to be returned

f.id, f.name, o.rating, t.votes

Join Filters

f.id = o.id, f.votes = t.votes

Join Types

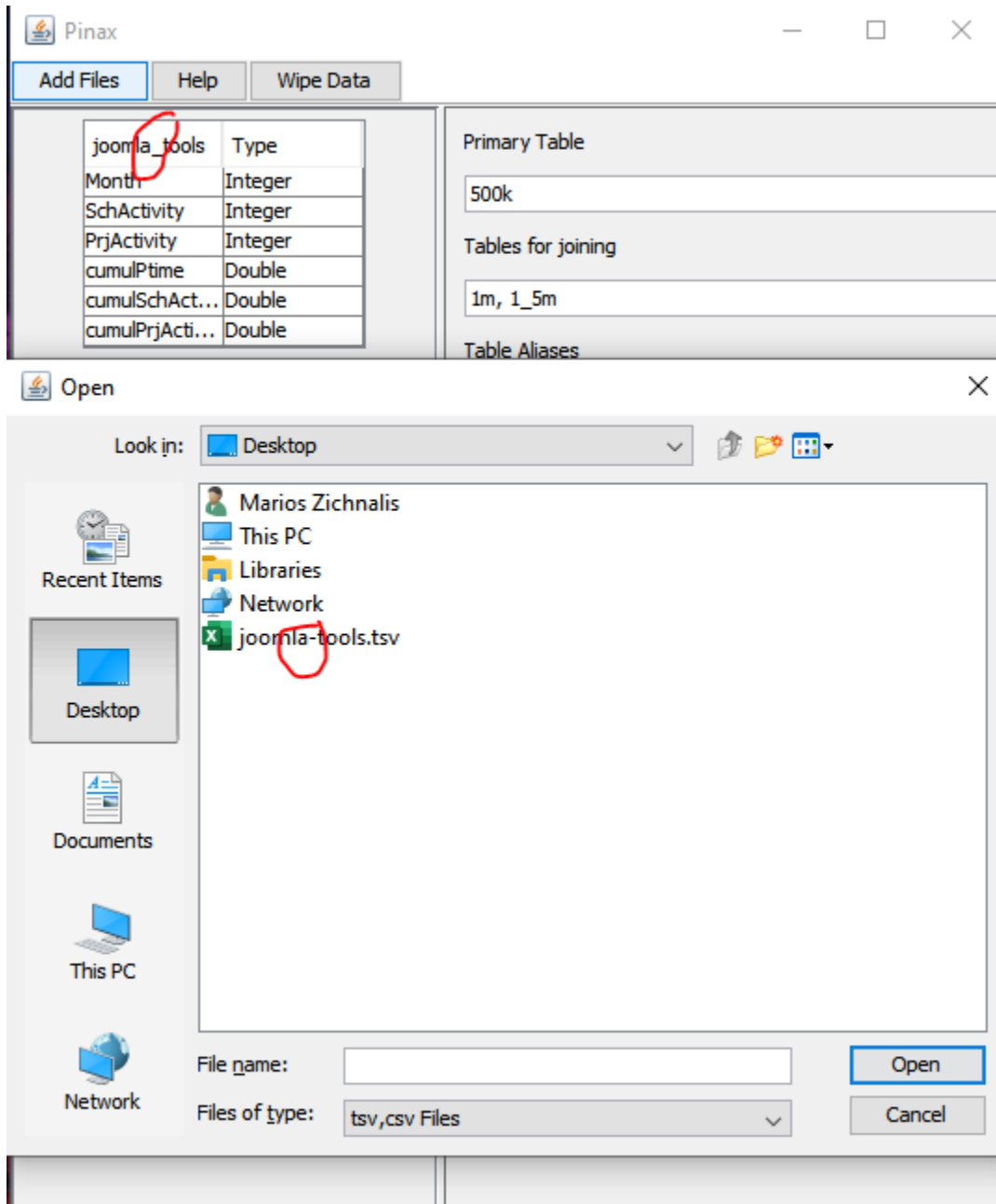
Left, Right

Where Filters

Custom Query Run Query

Here we see a multiple table join example. We have the primary table 500k, and the 2 tables we want to join it with, 1m and 1_5m. We give them the aliases f for the 500k, o for the 1m and t for the 1_5m. **The first alias in the table alias field is used by the primary table. As we can see in the attributes list and the join filters list, we include the table alias, since the tables contain columns with the same name. This is important to remember. Also note that the primary table is not included in the join table list.**

4. Any special character in the file name is changed to _ (underscore).



Result Frame

In the result frame there is the option to save the results as a CSV file. The file is saved in the resources folder of the tool in the folder called saved.

The screenshot shows the Pinax application interface. On the left, there is a 'joomla_tools' table with columns: Month, SchActivity, PrjActivity, cumuPTime, cumuSchAct..., and cumuPrjActi... Each column has a corresponding data type (Integer or Double). Below this, there are sections for 'Primary Table', 'Tables for joining', 'Table Aliases', 'Attributes to be returned', 'Join Filters', 'Join Types', and 'Where Filters', each with a text input field. At the bottom of this section are 'Custom Query' and 'Run Query' buttons. On the right, the 'Results' window displays a table titled 'joomla' with columns: Month, SchActi..., PrjActivity, cumuPt..., cumuSc..., and cumuPr... The table contains 24 rows of data. Below the table is a 'Save As CSV File' button.

Month	SchActi...	PrjActivity	cumuPt...	cumuSc...	cumuPr...
0	29	61	0.0	0.90625	0.34269...
1	0	27	0.02941...	0.90625	0.49438...
2	0	5	0.05882...	0.90625	0.52247...
3	0	0	0.08823...	0.90625	0.52247...
4	0	10	0.11764...	0.90625	0.57865...
5	0	2	0.14705...	0.90625	0.58988...
6	0	0	0.17647...	0.90625	0.58988...
7	0	4	0.20588...	0.90625	0.61235...
8	0	2	0.23529...	0.90625	0.62359...
9	0	0	0.26470...	0.90625	0.62359...
10	0	0	0.29411...	0.90625	0.62359...
11	0	0	0.32352...	0.90625	0.62359...
12	0	0	0.35294...	0.90625	0.62359...
13	0	0	0.38235...	0.90625	0.62359...
14	0	0	0.41176...	0.90625	0.62359...
15	0	0	0.44117...	0.90625	0.62359...
16	0	0	0.47058...	0.90625	0.62359...
17	0	0	0.5	0.90625	0.62359...
18	0	0	0.52941...	0.90625	0.62359...
19	3	56	0.55882...	1.0	0.93820...
20	0	1	0.58823...	1.0	0.94382...
21	0	0	0.61764...	1.0	0.94382...
22	0	0	0.64705...	1.0	0.94382...
23	0	0	0.67647...	1.0	0.94382...
24	0	0	0.70588...	1.0	0.94382...

We first have to type the name of the file we want the results to be saved in. This is done in the text field above the results. Here we can see the required name is joomla. After we type a name, we click the [Save As CSV File](#) button and the file is created.