



Plazi Stats:

An Introduction to Dashboards

<http://plazi.cs.umb.edu/GgServer/srsStatCharts>

<http://plazi.cs.umb.edu/GgServer/srsStats> This provides the Plazi tool to query TreatmentBank, and an outline of the fields that can be used to create dashboards. A list is also provided [here](#).

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1 Select Data Fields and Options (hover shows which chart types they apply to)
2 Create Series from Article UUID
3 Show All Series
4 Order Series by Name (ascending)
5 Substitute Empty Series Name with
6 Create Groups from Total Specimen Count (overall)
7 Show All Groups
8 Order Groups by Name (ascending)
9 Substitute Empty Group Name with
10 Add Artificial Groups (separate with semicolon):
11 Value Field: Number of Treatments
12 Show Minimum Value

13 Filter the Data to Show in Your Chart Add Filter
14 Filter Field: Article UUID
15 Filter Value: FF9B2A1CCA19FFEAEE
Compare Filter Value to: Individual Values
16 X

17 Format Your Chart (hover shows which chart types they apply to)
18 Chart Title: specimen by treatment
19 Show Number of Data Points in Chart Title
20 Font Size (for title, axes, legend, etc.): 12
21 Show Groups as: Groups of Bars or Columns
22 On Horizontal Axis, use: Linear Scale
Horizontal Axis Title: treatment
23
24 On Vertical Axis, use: Linear Scale
Vertical Axis Title: number of
25
26 Translate Month Numbers to String Labels
27 Donut Hole Size: None
28 Show which regions of the world (List of Codes): world

30 Build Geo Chart
31 Build Pie Chart
32 Build Bar Chart
33 Build Column Chart
34 Build Scatter Plot

The most relevant choices are in red (for pie charts)

1 Select Data Fields and Options (hover shows which chart types they apply to)

2 Create Series from

This defines the data field for which the variables should be shown. For fields see below [11](#)

(Example: the families, for which the number of treatments should be shown:
series=tax.familyEpithet

3 Show

number of item from the series to be shown in the chart

4 Order Series by

5 Substitute Empty Series Name with

6 Create Groups from

7 Show

8 Order Groups by

9 Substitute Empty Group Name with

10 Add Artificial Groups (separate with semicolon)

11 Value Field:

`DocCount">Number of Treatments</option> use this to count
number of treatments`
`doc.uuid">Document UUID</option> This refers to treatments
(=Document sensu TreatmenBank)`
`doc.articleUuid">Article UUID</option> This refers to an
article`
`doc.name">Document Name</option>`
`doc.doi">Article DOI</option>`
`doc.handle">Article Handle</option>`
`doc.hnsId">Article HNS ID</option>`
`doc.zooBankId">Article ZooBank ID</option>`
`doc.isbn">Book ISBN</option>`
`doc.issn">Journal ISSN</option>`
`doc.language">Document Language</option>`
`doc.uploadUser">User to first Upload Document</option>`
`doc.uploadDate">Timestamp of first Upload</option>`
`doc.uploadYear">Year of first Upload</option>`
`doc.uploadMonth">Month of first Upload</option>`
`doc.updateUser">User to last Update Document</option>`
`doc.updateDate">Timestamp of last Update</option>`
`doc.updateYear">Year of last Update</option>`
`doc.updateMonth">Month of last Update</option>`

Bibliographic Meta Data

bib.author">Document Author</option>
bib.title">Document Title</option>
bib.year">Year of Publication</option>
bib.decade">Decade of Publication</option>
bib.origin">Document Origin</option>
bib.source">Journal / Publisher</option>
bib.firstPage">First Page</option>
bib.lastPage">Last Page</option>
bib.articleFirstPage">Article First Page</option>
bib.articleLastPage">Article Last Page</option>
bib.modsID">HNS Document ID</option>
bib.pdfUrl">URL of PDF Version</option>
</optgroup>

Taxonomic Data

tax.name">Verbatim Taxon Name</option> **use this to count specimens**
tax.rank">Rank of Taxon</option>
tax.kingdomEpithet">Taxonomic Kingdom</option>
tax.phylumEpithet">Taxonomic Phylum</option>
tax.classEpithet">Taxonomic Class</option>
tax.orderEpithet">Taxonomic Order</option>
tax.familyEpithet">Taxonomic Family</option>
tax.genusEpithet">Taxon Genus</option>
tax.speciesEpithet">Taxon Species</option>
tax.authority">Taxon Authority</option>
tax.status">Taxonomic Status</option>

Materials Data

mat.matCitCount">Number of Materials Citations</option>
mat.specimenCount">Total Specimen Count (overall)</option>
mat.specimenCountMale">Total Specimen Count (males)</option>
mat.specimenCountFemale">Total Specimen Count (females)</option>
mat.specimenCountWorker">Total Specimen Count (workers)</option>
mat.specimenCountSoldier">Total Specimen Count (soldiers)</option>
mat.specimenCountQueen">Total Specimen Count (queens)</option>

Materials Citation Data

matCit.id">Materials Citation ID</option>
matCit.country">Collecting Country</option>
matCit.region">Collecting Region</option>
matCit.municipality">Collecting Municipality</option>
matCit.location">Collecting Location</option>

```
matCit.longitude">Decimal Longitude</option>
matCit.latitude">Decimal Latitude</option>
matCit.longLatPrecision">Coordinate Precision</option>
matCit.longLatStatus">Has Coordinates</option>
matCit.elevation">Elevation above Sea Level</option>
matCit.date">Collecting Date</option>
matCit.decade">Collecting Decade</option>
matCit.year">Collecting Year</option>
matCit.month">Collecting Month</option>
matCit.collector">Collector Name</option>
matCit.collectionCode">Collection Code</option>
matCit.specimenCode">Specimen Code</option>
matCit.typeStatus">Type Status</option>
matCit.specimenCount">Specimen Count (overall)</option>
matCit.specimenCountMale">Specimen Count (males)</option>
matCit.specimenCountFemale">Specimen Count (females)</option>
matCit.specimenCountWorker">Specimen Count (workers)</option>
matCit.specimenCountSoldier">Specimen Count
(soldiers)</option>
matCit.specimenCountQueen">Specimen Count (queens)</option>
```

12 Show

13 Filter the Data to Show in Your Chart

14 Filter Field

This field is used to restrict the data.

To restrict it to an article, use the article UUID that can be obtained from the article summary in TB.

The value is a UUID, e.g. FF9B2A1CCA19FFFEAEE22FFED4105FFB2

15 Filter Value

16 Compare Filter Value to

17 Format Your Chart (hover shows which chart types they apply to)

18 Chart Title

Add the title of the chart

19 Show Number of Data Points in Chart Title

20 Font Size

21 Show Groups as

22 On Horizontal Axis, use

Choose whether to use linear or logarithmic scale

23 Horizontal Axis Title

add the name of the horizontal axis

24 On Vertical Axis, use

choose whether to use linear or logarithmic scale

25 Vertical Axis Title

add the name of the vertical axis

26 Translate Month Numbers to String Labels

27 Donut Hole Size

Choose none, or an adequate number

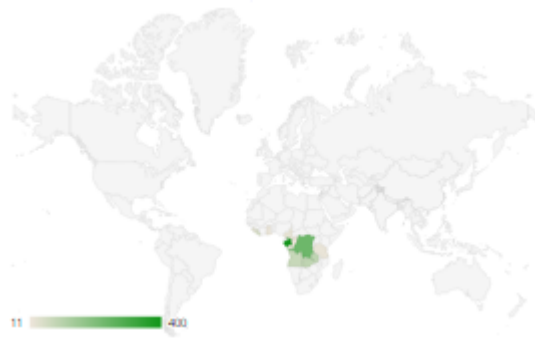
28 Show which regions of the world (List of Codes)

select a region of the world if not then entire world is requested

29 Build Your Chart

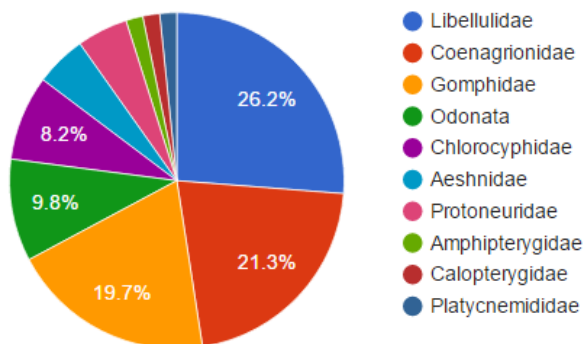
This section allows you to select a particular chart type. Depending on the chart type, above selection are void, that is do not have to be selected

30 Build Geo Chart

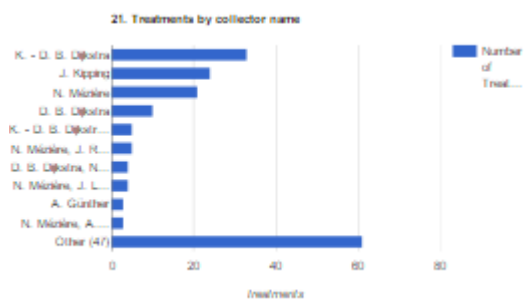


31 Build Pie Chart

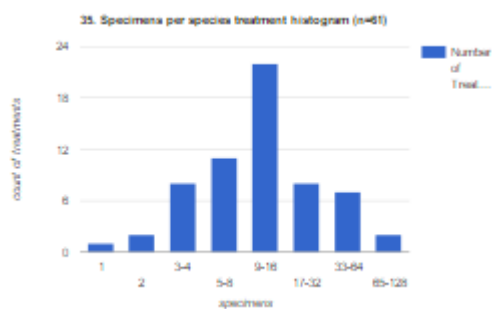
11. Treatments by family (n=61)



32 Build Bar Chart



33 Build Column Chart



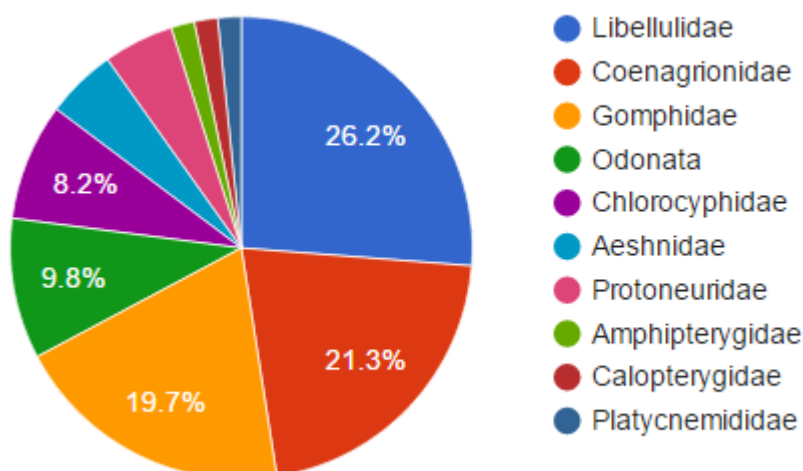
34 Build Scatter Plot

Examples

Treatments by family

```
type=pie&
series=tax.familyEpithet&
seriesCutoff=10&
field=DocCount&
seriesOrder=-value&
FILTER_doc.articleUuid=FF9B2A1CCA19FFEAEE22FFED4105FFB2&
emptySeriesLabelSubstitute=missing&
title=11.%20Treatments%20by%20family&
addDataSumToTitle=true&
hAxis.logScale=false&
hAxis.title=&
vAxis.logScale=false&
vAxis.title=&
pieHole=0&
region=world&
artificialGroups=&
isStacked=false&
fontSize=18&
chartId=NSXMPvFvKmcWsEtn
```

11. Treatments by family (n=61)



src="http://plazi.cs.umb.edu/GgServer/srsStatCharts/chart.js?type=pie&series=tax.familyEpithet&seriesCutoff=10&field=DocCount&seriesOrder=-value&FILTER_doc.articleUuid=FF9B2A1CCA19FFEAEE22FFED4105FFB2&emptySeriesLabelSubstitute=missing&title=11.%20Treatments%20by%20family&addDataSumToTitle=true&hAxis.logScale=false&hAxis.title=&vAxis.logScale=false&vAxis.title=&pieHole=0®ion=world&artificialGroups=&isStacked=false&fontSize=18&chartId=NSXMPvFvKmcWsEt_n">

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