

WareHouse Analyzing Tool



Visualizing and Statistically Analyzing Access Behavior to Scientific Databases

task

- process data from SkyServer.org server log files
- save data in database
- compute charts

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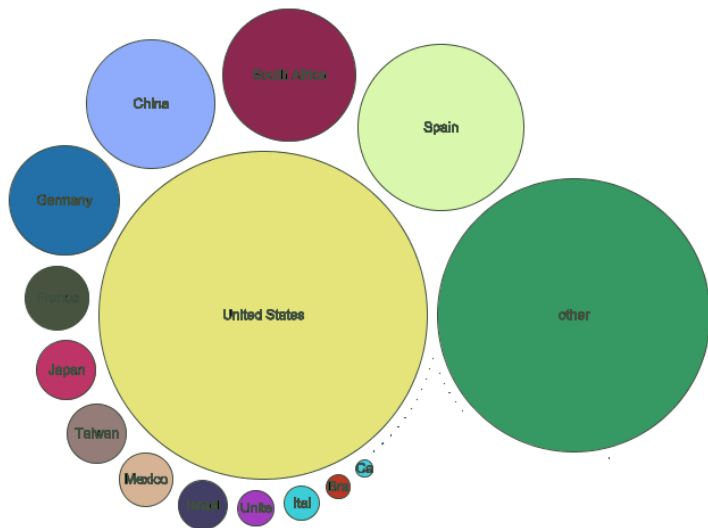
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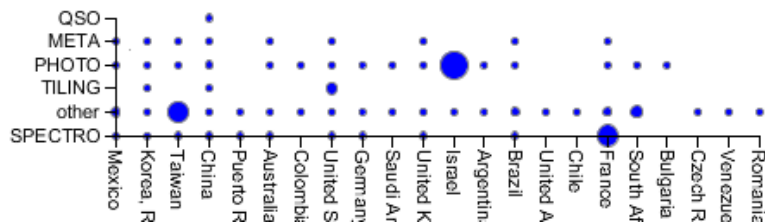
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```

bubble chart



scatterplot + bubble chart



purpose

Find out:

- what parts of your servers were accessed,
- when they were accessed,
- and from where in the world

use e.g. to create a better user experience



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- process server log files
- and load data into database
- choose different chart types
- compute charts with customizable parameters
- export charts

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project demonstration



client - server model

reasoning:

- amount of data
- already present server infrastructure, most likely



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flexibility:

- not OS dependant
- device independant
- possibility of easy access to others

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- configurable (not only SkyServer)
- simple user interface
- extendability

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extendability + future development

extendability:

- more languages
- extend charts/add new ones

future development:

- support for olap server
- more admin functions, e.g. order charts
- more export formats
- support for other log file formats
- support for other data sources

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open source: <https://github.com/Gruppe14/KIT-PSE>

development documents: <https://github.com/Gruppe14/KIT-PSE-Docs>



Questions?



end

Thanks for listening!

