



Arches: Cultural Heritage Data Management

Dennis Wuthrich, Farallon Geographics

Photo: <https://www.flickr.com/photos/slaioo/>



What

Where

When

Why Significant

February 18, 2016

(date)

February 18, 2016

(date)

4874 BCE

(number)

February 18, 2016

(date)

4874 BCE

(number)

Neolithic Period

(concept)

Which Period is it?

A Methodology to Create Thesauri of Historical Periods

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Abstract. In this paper we present a methodology to create multilingual thesauri of period names building on top of CIDOC specifications, archeological theory and results from Computer Science and Knowledge Representation. Periods are defined by different criteria based on the archaeological contexts (such as ceramics style, enabling technology etc.), rather than by time and place, which are regarded only as approximations of the spatiotemporal extent of a period. Identity criteria are distinguished from the general characteristics of a period. Terms and relations are structured by a specification in the form of an XML DTD for data exchange. A respective thesaurus is under development as proof of concept.



Reference Data Manager (RDM)

Cultural Period

RDM

Tools ▾

▶ Construction Technique

▶ Cultural Period

▶ Description Type

▶ Disturbance Type

▶ Eligibility Requirement Type

▶ End Of Existence Type

Evaluation Criteria Type

▶ External Xref Type

▶ Geometry Qualifier

▶ Heritage Resource Group Type

▶ Heritage Resource Type

▶ Historical Event Type

▶ Identifier Type

▶ Information Carrier Format Type

TUDOR (en-US) (Concept)

Manage ▾

Labels

Add label

TUDOR (preferred, en-US)

Notes

Add note

✖ scopeNote (None)

Dating to the reign of the Tudor monarchs

Broader/Narrower Concepts

Show graph

Arches

... Cultural Period

..... POST MEDIEVAL

..... **TUDOR**

..... ✖ ELIZABETHAN

Related Concepts

Add related concept

Values

Add value

✖ sortorder 140

✖ minimum date 1485

✖ maximum date 1603

Images

Add images

How to treat time and space?



Consistent Geospatial + Temporal Representation

Why bother?

Data Harmonization





Time Filter: Frazzled Location Filter Time Filter Tools

316 Results

Range of Years (show resources with any date that falls between these years) 1842 - 1892
Start/End Dates (show resources that meet these date criteria)
Built Date Dweller Date + Add
You have selected the following Start/End Date filters:
No Filters Defined

3708 S PALOMA ST Historic Resource
Related Resources Map










Chrome File Edit View History Bookmarks People Window Help

Getting Started | Elastic Cloud Visualize - Kibana Elastic Cloud

https://293df236061a224a67a3f6e3a048e9d3.us-west-1.aws.found.io/app/kibana#/visualize/step/1?_g=(refreshInterval:(display:Off,pauseIfValue...)

kibana Discover Visualize Dashboard Settings Logout

Create a new visualization Step 1

 Area chart	Great for stacked timelines in which the total of all series is more important than comparing any two or more series. Less useful for assessing the relative change of unrelated data points as changes in a series lower down the stack will have a difficult to gauge effect on the series above it.
 Data table	The data table provides a detailed breakdown, in tabular format, of the results of a composed aggregation. Tip, a data table is available from many other charts by clicking grey bar at the bottom of the chart.
 Line chart	Often the best chart for high density time series. Great for comparing one series to another. Be careful with sparse sets as the connection between points can be misleading.
 Markdown widget	Useful for displaying explanations or instructions for dashboards.
 Metric	One big number for all of your one big number needs. Perfect for showing a count of hits, or the exact average a numeric field.
 Pie chart	Pie charts are ideal for displaying the parts of some whole. For example, sales percentages by department. Pro Tip: Pie charts are best used sparingly, and with no more than 7 slices per pie.
 Tile map	Your source for geographic maps. Requires an elasticsearch geo_point field. More specifically, a field that is mapped as type:geo_point with latitude and longitude coordinates.
 Timeseries	Create timeseries charts using the timeline expression language. Perfect for computing and combining timeseries set with functions such as derivatives and moving averages.
 Vertical bar chart	The goto chart for oh so many needs. Great for time and non-time data. Stacked or grouped, exact numbers or percentages. If you are not sure which chart you need, you could do worse than to start here.

Arches

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