

QHAna

localhost:4200/experiments/t/workspace

Experiment: Workshop

Plugins

- Costume loader (@v0.1.0)
- Aggregators (@v0.1.0)
- hello-world (@v0.1.0)
- hybrid-autoencoder (@v0.1.0)
- Multidimensional Scaling (MDS) (@v0.1.0)
- Quantum k-means (@v0.1.0)
- Similarities to distances transformers (@v0.1.0)
- Sym Max Mean attribute comparer (@v0.1.0)
- Time tanh similarities (@v0.1.0)
- Visualization (@v0.1.0)
- Wu Palmer similarities (@v0.1.0)
- Wu-Palmer cache generator (@v0.1.0)
- Zip merger (@v0.1.0)

Experiment Workspace

Costume loader (@v0.1.0)

data-loader data/loading

Loads all the costumes or base elements from the MUSE database.

Micro Frontend Test

The micro frontend test page of the costume-loader plugin (version: v0.1.0).

Help

Test template to check if common templates can be used from all plugins.

Costume Type: keine BasicElemente

DB host: muse-db

DB user name: test

DB password: ...

DB database: KostuemRepo

validate submit



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localhost:4200/experiments/t/timeline/t

Experiment: Workshop

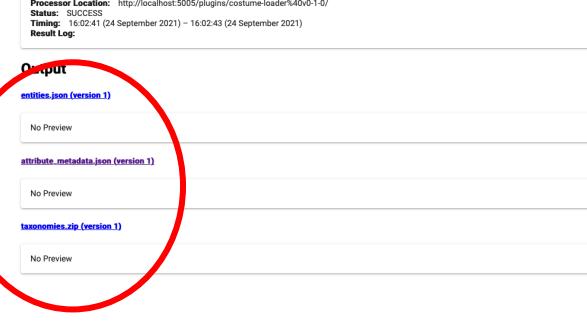
Timeline Step

Step 1 (costume-loader@v0.1.0)

Processor: costume-loader (version v0.1.0)
Processor URL: http://localhost:5055/plugins/costume-loader@v0.1.0-0/
Status: SUCCESS
Timing: 16:02:41 (24 September 2021) – 16:02:43 (24 September 2021)
Result Log:

Output

- [entities.json \(version 1\)](#)
No Preview
- [attribute_metadata.json \(version 1\)](#)
No Preview
- [taxonomies.zip \(version 1\)](#)
No Preview



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Experiment Workspace

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- Zip merger (@v0.1.0)

Wu-Palmer cache generator (@v0.1.0)

similarity-cache-generation

Generates a cache of similarity values based on a taxonomy.

Taxonomies URI: <http://host.docker.internal:9090/experiments/1/data/taxonomies.zip/download?version=1>

validate **submit**

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Timeline Step

Step 4 (wu-palmer-cache@v0.1.0)

Processor: wu-palmer-cache (version v0.1.0)
Processor URL: http://localhost:5055/plugins/wu-palmer-cache%40v0-1-0/
Status: SUCCESS
Timing: 16:15:48 (24 September 2021) – 16:17:19 (24 September 2021)
Result Log:

Output

wu_palmer_cache.zip (version 1)

No Preview

Screenshot of the Experiment Workspace interface in QHAna. The page title is "Experiment Workspace". On the left, there's a sidebar titled "Plugins" listing various tools like "Costume loader (@v0.1.0)", "Aggregators (@v0.1.0)", etc. One item, "Wu Palmer similarities (@v0.1.0)", is highlighted with a red circle. The main content area shows configuration for this plugin. It includes fields for "Entities URL" (http://host.docker.internal:9090/experiments/1/data/entities.json/download?version=1), "Entities Attribute Metadata URL" (http://host.docker.internal:9090/experiments/1/data/attribute_metadata.json/download?version=1), "Cache URL" (http://host.docker.internal:9090/experiments/1/data/wu_palmer_cache.zip/download?version=1), and "Attributes" (donInanteRasse, donInanteZurtaed, donInanteCharaktereigenschaft, donInanteAlterseindruck, genre). At the bottom are "validate" and "submit" buttons, with the "submit" button also circled in red.

Screenshot of the Timeline Step interface in QHAna. The page title is "Timeline Step". It shows details for "Step 5 (wu-palmer@v0.1.0)". The "Processor" field contains "wu-palmer (version v0.1.0)" with a link to "http://localhost:5055/plugins/wu-palmer%40v0-1-0/". The status is "SUCCESS", and the timing is "16:23:16 (24 September 2021) – 16:23:18 (24 September 2021)". Below this, the "Output" section shows a link to "wu_palmer.zip (version 1)" which is circled in red. The "Input" section lists "entities.json (version 1)", "attribute_metadata.json (version 1)", and "wu_palmer_cache.zip (version 1)", each with a "No Preview" link.

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Experiment: Workshop

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- Quantum k-means (@v0.1.0)
- Similarities to distances transformers (@v0.1.0)
- Sym Max Mean attribute comparer (@v0.1.0)**
- Time tanh similarities (@v0.1.0)
- Visualization (@v0.1.0)
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- Zip merger (@v0.1.0)

Experiment Workspace

Sym Max Mean attribute comparer (@v0.1.0)

attribute-similarity-comparison

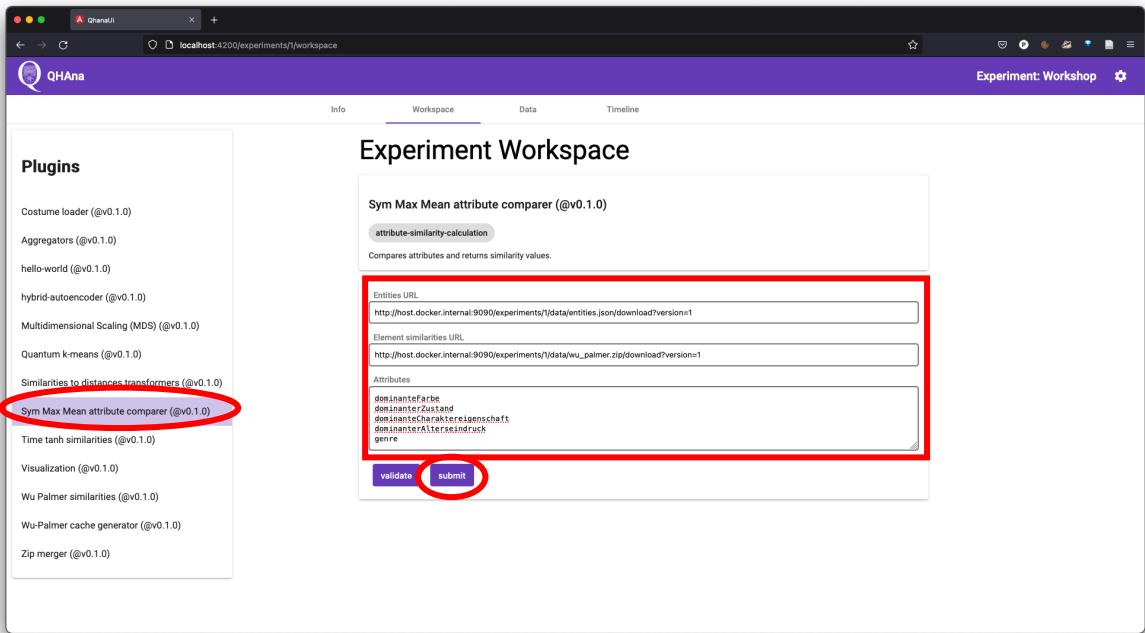
Compares attributes and returns similarity values.

Entities URL: <http://host.docker.internal:9090/experiments/1/data/entities.json/download?version=1>

Element similarities URL: http://host.docker.internal:9090/experiments/1/data/wu_palmer.zip/download?version=1

Attributes:
dominanterRasse
dominanterZustand
dominanterCharaktereigenschaft
dominanterAlterZeindruck
genre

validate **submit**



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Timeline Step

Step 6 (sym-max-mean@v0.1.0)

Processor: sym-max-mean (version v0.1.0)
Processor URL: http://localhost:5005/plugins/sym-max-mean@40v0-1-0/
Status: SUCCESS
Timing: 16:32:48 (24 September 2021) – 16:32:50 (24 September 2021)
Result Log:

Output

sym_max_mean.zip (version 1)

No Preview

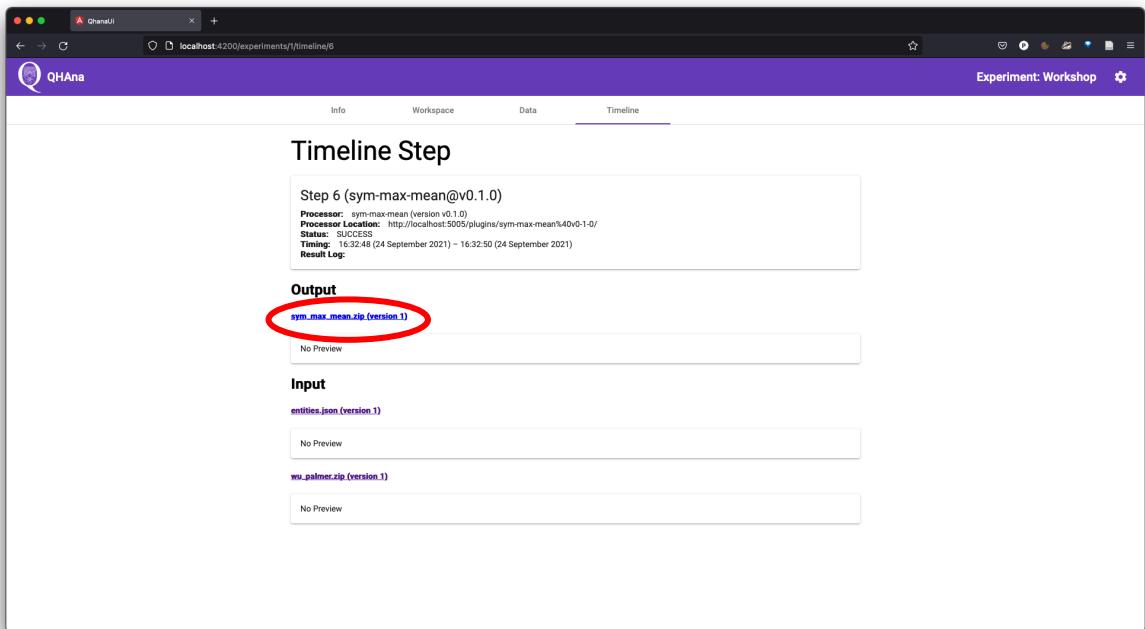
Input

entities.json (version 1)

No Preview

wu_palmer.zip (version 1)

No Preview



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Experiment Workspace

Plugins

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- hello-world (@v0.1.0)
- hybrid-autoencoder (@v0.1.0)
- Multidimensional Scaling (MDS) (@v0.1.0)
- Quantum k-means (@v0.1.0)
- Similarities to distances transformers (@v0.1.0)** (highlighted with a red circle)
- Sym Max Mean attribute comparer (@v0.1.0)
- Time tanh similarities (@v0.1.0)
- Visualization (@v0.1.0)
- Wu Palmer similarities (@v0.1.0)
- Wu-Palmer cache generator (@v0.1.0)
- Zip merger (@v0.1.0)

Similarities to distances transformers (@v0.1.0)

sim-to-dist

Transforms similarities to distances.

Attribute similarities URL:
http://host.docker.internal:9090/experiments/t/data/sym_max_mean.zip/download?version=1

Attributes:
dominanterArtikel
dominanterZusatz
dominanterKategorie
dominanterAlterZeindruck
genre

Transformer:
Linear Inverse

validate submit

localhost:4200/experiments/t/timeline/7

Timeline Step

Step 7 (sim-to-dist-transformers@v0.1.0)

Processor: sim-to-dist-transformers (version v0.1.0)
Processor URL: http://localhost:5055/plugins/sim-to-dist-transformers%40v0.1.0/
Status: SUCCESS
Timing: 16:37:39 (24 September 2021) – 16:37:41 (24 September 2021)
Result Log:

Output
attr_dist.zip (version 1) (highlighted with a red circle)

No Preview

Input
sym_max_mean.zip (version 1)

No Preview

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Experiment: Workshop

Plugins

- Costume loader (@v0.1.0)
- Aggregators (@v0.1.0)**
- hello-world (@v0.1.0)
- hybrid-autoencoder (@v0.1.0)
- Multidimensional Scaling (MDS) (@v0.1.0)
- Quantum k-means (@v0.1.0)
- Similarities to distances transformers (@v0.1.0)
- Sym Max Mean attribute comparer (@v0.1.0)
- Time tanh similarities (@v0.1.0)
- Visualization (@v0.1.0)
- Wu Palmer similarities (@v0.1.0)
- Wu-Palmer cache generator (@v0.1.0)
- Zip merger (@v0.1.0)

Experiment Workspace

Aggregators (@v0.1.0)

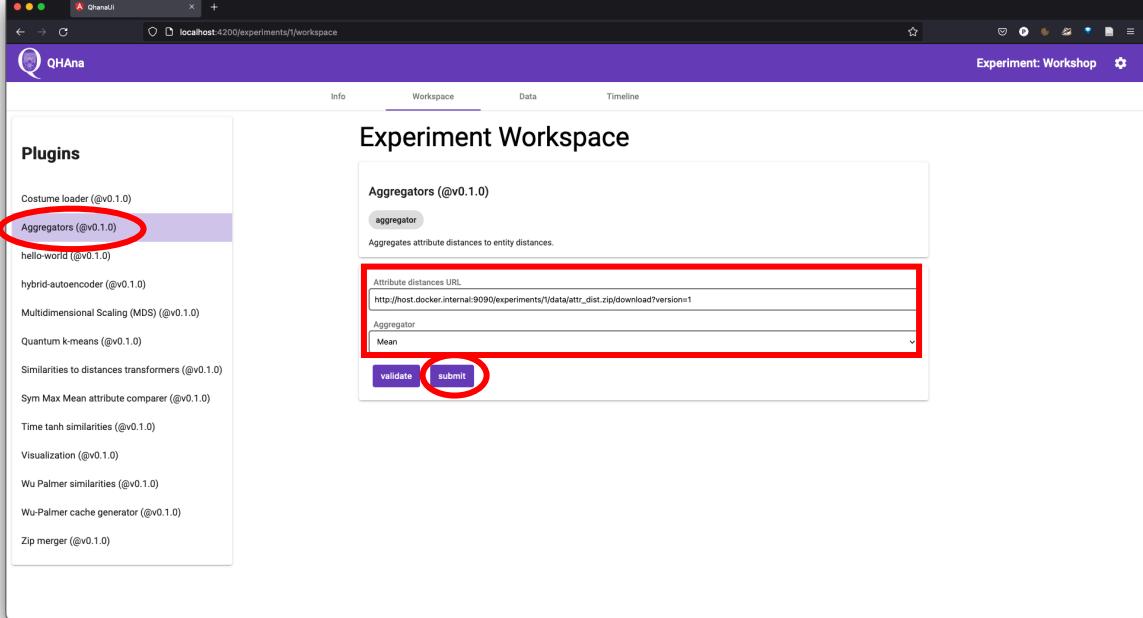
aggregator

Aggregates attribute distances to entity distances.

Attribute distances URL: http://host.docker.internal:9090/experiments/1/data/attr_dist.zip/download?version=1

Aggregator: Mean

validate **submit**



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Timeline Step

Step 8 (distance-aggregator@v0.1.0)

Processor: distance-aggregator (version v0.1.0)
Processor URL: http://localhost:5005/plugins/distance-aggregator%40v0-1-0/
Status: SUCCESS
Timing: 16:38:41 (24 September 2021) – 16:38:44 (24 September 2021)
Result Log:

Output

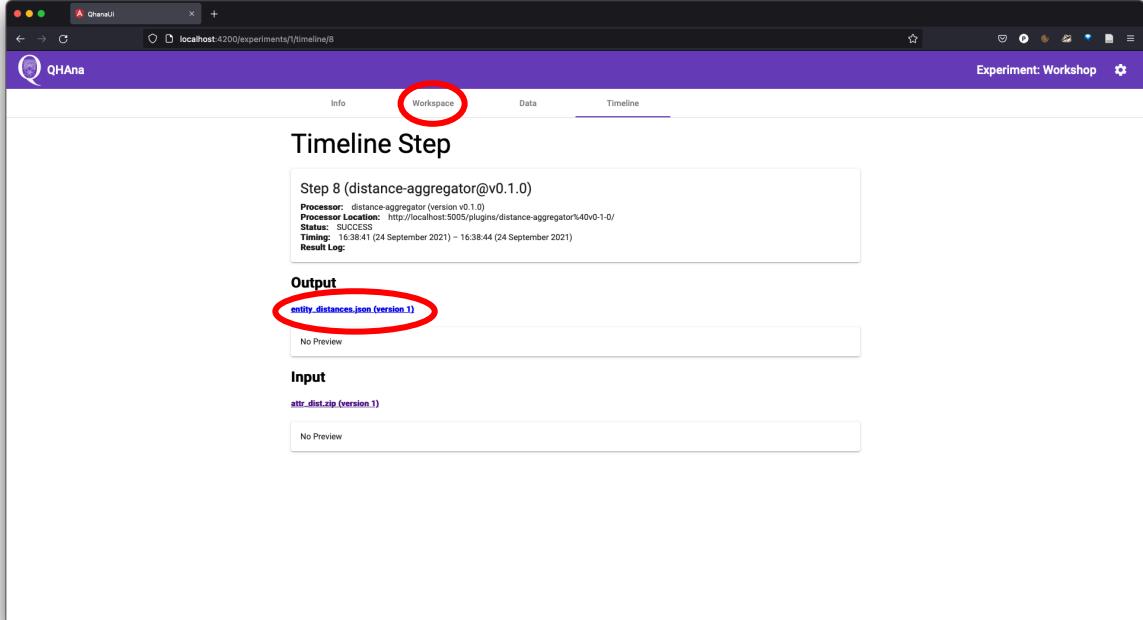
entity_distances.json (version 1)

No Preview

Input

attr_dist.zip (version 1)

No Preview



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Experiment Workspace

Multidimensional Scaling (MDS) (@v0.1.0)

dist-to-points

Converts distance values (distance matrix) to points in a space.

Entity distances URL:

Dimensions:

Metric:

SMACOF executions:

SMACOF max iterations:

validate **submit**

Plugins

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- Aggregators (@v0.1.0)
- hello-world (@v0.1.0)
- hybrid-autoencoder (@v0.1.0)
- Multidimensional Scaling (MDS) (@v0.1.0)**
- Quantum k-means (@v0.1.0)
- Similarities to distances transformers (@v0.1.0)
- Sym Max Mean attribute comparer (@v0.1.0)
- Time tanh similarities (@v0.1.0)
- Visualization (@v0.1.0)
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- Zip merger (@v0.1.0)

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Timeline Step

Step 9 (mds@v0.1.0)

Processor: mds (version v0.1.0)
Processor URL: http://localhost:5005/plugins/mds%40v0-1-0/
Status: SUCCESS
Timing: 16:45:12 (24 September 2021) – 16:45:14 (24 September 2021)
Result Log:

Output

entity_points.json (version 1)

No Preview

Input

entity_distances.json (version 1)

No Preview

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Experiment Workspace

Quantum k-means (@v0.1.0)

points-to-clusters

K-means algorithms that can run on quantum computers.

Entity points URL: http://host.docker.internal:9090/experiments/1/data/entity_points.json/download?version=1

Number of clusters: 2

Variant: Negative Rotation

Backend: aer_statevector_simulator

Custom backend:

validate submit

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- Quantum k-means (@v0.1.0)**
- Similarities to distances transformers (@v0.1.0)
- Sym Max Mean attribute comparer (@v0.1.0)
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- Wu-Palmer cache generator (@v0.1.0)
- Zip merger (@v0.1.0)

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Timeline Step

Step 10 (quantum-k-means@v0.1.0)

Processor: quantum-k-means (version v0.1.0)
Processor URL: http://localhost:5055/plugins/quantum-k-means%40v0-1-0/
Status: SUCCESS
Timing: 16:46:46 (24 September 2021) – 16:47:00 (24 September 2021)
Result Log:

Output

clusters.json (version 1)

No Preview

Input

entity_points.json (version 1)

No Preview

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Experiment Workspace

Visualization (@v0.1.0)

Entity points URL: http://host.docker.internal:9090/experiments/1/data/entity_points.json/download?version=1

Clusters URL: <http://host.docker.internal:9090/experiments/1/data/clusters.json/download?version=1>

validate submit

Plugins

- Costume loader (@v0.1.0)
- Aggregators (@v0.1.0)
- hello-world (@v0.1.0)
- hybrid-autoencoder (@v0.1.0)
- Multidimensional Scaling (MDS) (@v0.1.0)
- Quantum k-means (@v0.1.0)
- Similarities to distances transformers (@v0.1.0)
- Sym Max Mean attribute comparer (@v0.1.0)
- Time tanh similarities (@v0.1.0)
- Visualization (@v0.1.0)** (highlighted with a red circle)
- Wu Palmer similarities (@v0.1.0)
- Wu-Palmer cache generator (@v0.1.0)
- Zip merger (@v0.1.0)

