A platform for research data, software and service discovery

Research data and software:
• As a **first-class citizen** in scholarly communication and in the research flow
• As a **product** of a research activity
• For **transparency** of research evaluation
• For **reproducibility** and **repeatability** by referring to services and tools
• For **omni-comprehensive** reward
EOSC Knowledge Graph
Example

Mario is a PhD student interested in human interactions, studying how children of various ages collaboratively solve problems and align on their decisions.

He lands on the EOSC Marketplace to find products and services that might be useful for his investigation and performs the search: “alignment analysis children”
Example

Links to other research products: article and dataset

Access the source code at the hosting source

Funding EC project ANIMATAS
Research in context #1
Research in context #2

Funding project

Project 2018 - 2022, Closed
ANIMATAS
Advancing intuitive human-machine interaction with human-like social capabilities for education in schools

Summary
Publications (50) Research data (4) Research software (3) Dmpns

Recent Research Data

PE-HRI-temporal: A Multimodal Temporal Dataset in a robot mediated Collaborative Ed...
Research in context #3

Software

JUSTThink Alignment Analysis

Norman, Uku; Drinker, Tanvi; Bruno, Barbara; Clavel, Chloe

Published: 08 Aug 2022
Publisher: Zenodo

Summary

Abstract

1. Description

This repository contains tools to automatically analyze how participants align their use of task-specific referents in their dialogue and actions for a collaborative learning activity, and how it relates to the task success (i.e., their learning outcomes and task performance). As a use case, it processes data from a collaborative problem solving activity named JUSTThink [1, 2], i.e., JUSTThink Dialogue and Actions Corpus data set that is available from the Zenodo Repository, DOI: 10.5281/zenodo.4675064, and reproduces the results and figures in [3]. In brief, JUSTThink Dialogue and Actions Corpus contains transcripts, event logs, and test assessments of children aged 8 through 11 as they participate in the JUSTThink activity [4, 5] in pairs of two in

Related research [2]
Research in context #3

Software

**JUSTThink Alignment Analysis**

**Abstract**

1. Description: This repository contains tools to automatically analyze how participants make specific inferences in their dialogue and actions for a collaborative learning activity, and how they achieve successful outcomes. As a use case, it presents the collaborative problem solving activity named JUSTThink [1, 2], i.e. JUSTThink Dialogue and Actions Corpus that is available from the Zenodo Repository. DOI: 10.5281/zenodo.4675070, 10.5281/zenodo.6974652, 10.5281/zenodo.4675069.


3. Published: 08 Aug 2022

4. Publisher: Zenodo

5. Related research (2)

6. Summary

**EGI Notebook**

Notebooks is a browser-based tool for interactive analysis of data using EGI storage and compute services. Notebooks are based on JupyterHub technology. This service can combine text, mathematics, computations and their rich media output using Jupyter notebooks and can scale to multiple servers and users with the Cloud Compute service. Notebooks for Researchers: After a lightweight approval, users login, write and play notebooks using storage and compute capacity. Notebooks for Communities EGI offers consistency and technology to set up a community-specific JupyterHub on top of a community VO. Comes together with EGI-enabled compute and storage resources and with community-specific storage. For individual users: Reproducible research with notebooks (notebooks can be re-played by the same user, shared and re-played by different users), easy to hook into other big data environments (e.g. Spark, Hadoop) or services (e.g. Cloud Compute) provided by or hosted by EGI. For groups: establish a JupyterHub for your community on top of EGI and community-specific compute and storage resources. For individual users: Reproducible research with notebooks (notebooks can be re-played by the same user, shared and re-played by different users), easy to hook into other big data environments (e.g. Spark, Hadoop) or services (e.g. Cloud Compute) provided by or hosted by EGI.
After the investigation

In the end, Carlo found software and data, reused it via EGI Notebook and via the service developed his own experiments and results.

As he wants to publish his own material following common practices, he gets inspired by the ANIMATAS project whose researchers published data and software in Zenodo and does the same.
Thank you

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