

Online Practice Suite – Repository READ ME Document
WEBSITE: <https://tarheels.live/onlinepracticesuite/>
DATABRARY: <https://nyu.databrary.org/>

The Online Practice Suite (OPS) is a set of complementary online activities for preservice teachers (PSTs) to engage in approximations of practice to develop their ability to facilitate argumentation-focused discussions in mathematics and science. It includes activities that are approximations of practice: focused practice spaces (FPS), small group avatar-based simulations (ABS), and whole-class (consisting of multiple small groups) virtual teaching simulator (VTS). From 2021 to 2023, researchers engaged pre-service teachers across multiple teacher education programs in the OPS. The repository houses a significant portion of the data collected from both the pilot and main study phases of the project (list of data below). This document provides guidance in searching through these data, ABS and VTS video files.

Appearance of the OPS Databrary Site

Databrary file layout

When you log in to the site, you will see the image below:

The screenshot shows the Databrary interface for the Online Practice Suite. At the top, it says "Online Practice Suite" and "Online Practice Suite" with a "Volume History" link. Below that, it indicates "ACCESS: Private (shared only with selected collaborators)". The main content area is divided into sections: "ORIGINAL WORK" (Cross), "DESCRIPTION OF DATASET" (Link to website: <https://tarheels.live/onlinepracticesuite/>), "Instructions to access Read Me document" (Please sort the data below alphabetically by clicking the "name" tag under "Folder". Click on the first file, "OPS Repository READ ME", to learn more about the data organization.), and a table of statistics: "added on April 2020", "sessions 144 (0 shared)", "participants 144". There is also a "HOW TO CITE" section with a citation: "Cross Francis, D. (2020). Online Practice Suite. Databrary. Retrieved September 11, 2023 from <http://doi.org/10.17910/b7.1110>". A "FILE RELEASE LEVELS" table is also present:

File Type	Release Level	# of Files
sessions	private	500
materials	private	1036

. On the right side, there is a large image of a folder icon, a "Private Volume" lock icon, and lists of "INVESTIGATORS" (Dionne Cross Francis, University of North Carolina at Chapel ...) and "COLLABORATORS" (Andrea Seisler, The Pennsylvania State University).

Scroll down to get to the file layout. You should see the image below.

Filter by Click anywhere in the spreadsheet to add filters

Summarize by: **folder** participant pilot exclusion condition group task context

type	folder			file name	ID	participant		pilot pilot	condition name	gro nar
	name	test date	release			gender	setting			
session	PST 0304	2023-01-01	?	2 files	0304			pilot	EPM1	elementar
session	PST 0407		?	2 files	0407			pilot	EPM2	elementar
session	PST 0100		?	3 files	0100			pilot	EPS1	elementar
session	PST 4002		?	9 files	4002			not pilot	EMM1	elementar
session	PST 5000		?	4 files	5000			not pilot	EMM2	elementar
session	PST 1000		?	6 files	1000			not pilot	EMS1	elementar
session	PST 0200		?	3 files	0200			pilot	EPS2	elementar
session	PST 0701		?	OPS_SPM1_ABS_video...	0701			pilot	SPM1	secondary
session	PST 0800		?	OPS_SPM2_ABS_video...	0800			pilot	SPM2	secondary
session	PST 0500		?	OPS_SPS1_ABS_video...	0500			pilot	SPS1	secondary
session	PST 0600		?	OPS_SPS2_ABS_video...	0600			pilot	SPS2	secondary

Data Tabs in Databrary

FOLDER Type:

(Click on the tab “folder” you will see the list of “session” files at the top and “material” files below. Keep scrolling down to get to the materials files)

Session: PST recordings

(Note: If there is more than one file in a session or materials, the “file” column will communicate how many files there are. Click on the number of files to see the list of files)

Materials: all other documents

- Materials folders begin with an abbreviation to help with sorting: ELK, TM, PST, Sim Spec, TE, VTS (note that ELK and TM are part of FPS)

Participant ID:

(Click on the tab “participant” and the files will be sorted by participant ID)

The participant ID is unique to each PST. The ID is also included in file and folder names.

Pilot:

[Click on the tab “pilot” and the files will be organized showing PST data from the pilot and from the main study (labeled as “not pilot”)]

“pilot” represents data collected during the Pilot Study. “not pilot” represents data collected during the Main Study.

Condition:

(Click on the tab “condition” and the files will be grouped by subject, grade level implementation type, and group)

Elementary (E) vs. Secondary (S)

Pilot (P) vs. Main (M)

Math (M) vs. Science (S)

Cohort # (1, 2, 3)

e.g., elementary pilot science cohort 1 = EPS1

Group:

(Click on the tab “group” and the files will be organized by grade level and subject. Includes both pilot and main study)

elementary-science

elementary-math

secondary-science

secondary-math

Task:

(Click on the tab “task” and the files will be organized by digital simulation – ABS and VTS. ELK and TM are not included here because of there are no video or audio files)

ABS: ABS recordings show preservice teachers working with a small group of student avatars in a digital classroom.

VTS: VTS recordings show preservice teachers working with small groups and whole class instruction in a digital classroom.

Folder Names

Session Folders:

- These folders include participant information as well as their video and audio files

Materials Folders:

- These folders contain a range of files that are not video or audio

The folder name and description of the contents are provided in the table below.

Key:
 OPS = Online Practice Suite
 FPS = Focused Practice Spaces
 ELK = Eliciting Learner Knowledge
 TM = Teacher Moments
 ABS = Avatar-Based Simulations
 VTS = Virtual Teaching Simulator
 PST = Preservice Teacher
 TE = Teacher Educator

Folder Type	Folder Name	Description
Session	PST recordings	These files contain audio (and sometimes video) of preservice teachers. The teachers may be teaching in the virtual classrooms or participating in interviews. The numbering is based on their Teacher Educator assignment, numbered from 0100 – 9014. *note that files ending in A only have audio
Materials	ELK ABS Summary / Introduction	Video introductions to ELK and ABS projects.
Materials	ELK Elem Scenarios & Data	Scenarios, data, and data guide for ELK.
Materials	PST Instruments: ELK Task Packets	These documents provide information about the ELK activity, where two people role-play as student and teacher through text chat.
Materials	PST Survey Data	These data are background information and survey data on the preservice teachers.
Materials	PST Transcripts	These data include transcripts for some of the study recordings.
Materials	Sim Spec Training	These data were used to train the virtual participants as students for the Avatar Based Simulation (ABS) virtual classroom.
Materials	TE Classroom Observations	These data show notes from observing the preservice teachers.
Materials	TE CoP	These data show the end of project reflection.
Materials	TE Course Materials	These data show the curriculum for preservice teachers in their coursework.
Materials	TE ELK Task Packets	These data show the tasks and training for teacher educators using ELK.
Materials	TE Guidebooks	These are the guidebooks for the training scenarios.
Materials	TE Instruments	These data show background information and survey data on the teacher educators.
Materials	TE Interview	These data show the interview data for teacher educators.
Materials	TE Survey Data	These data show background information and survey data on the teacher educators.
Materials	TM Scenarios & Data	Scenarios, data, and data guide for Teacher Moments.

Materials	VTS Training	These data show the training materials for elementary main math VTS session. The training was organized for the actors in the VTS,
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DEMOGRAPHIC DATA ON PARTICIPANTS

Demographic and other background information on participants can be found in the folder “PST Survey Data.” The file is titled “NSF OPS BIQ Responses Combined.” Data includes gender, race, disability, grade level, and subject.

Example:

participantID	gender	race	disability	pilot	condition	group	tasks
304V	Female	Black	Prefer not to respond	pilot	EPM1	elementary	math
407V	Female	Asian	None	pilot	EPM2	elementary	math
100A	Female	White	None	pilot	EPS1	elementary	science
200A	Female	Asian, White	None	pilot	EPS2	elementary	science

Sorting Data/Conducting Searches

Click on any tab to sort that tab alphabetically or numerically. For example, clicking on “name” under “folder” will sort all folders alphabetically.

folder			
type	name	test date	release
materials	0 READ ME		
materials	ELK ABS Summary / Introdu...		
session	PST 0100		?
session	PST 0102		?
session	PST 0103		?

Clicking on “name” under “condition” will sort by conditions (EMM1, EMM2, EMS1, etc.).

condition	
name	
no conditions	
no conditions	
EPS1	€
EPS1	€
EPS1	€

Once you have sorted by a tab, you can refine it further. Above the data, you will see “Filter by.”

Filter by [Click anywhere in the spreadsheet to add filters](#)

Once you click on a tab (following direction to “click anywhere in the spreadsheet”), the name of that tab and a drop-down menu with choices relevant to that tab will be added to the filter.

Be sure to select the red **x** in the “filter by” area to remove the filtering if you want to do a different search using different variables.

Example 1: Sort for Secondary Main Math

For example, click on “name” under “condition.” The filter will now look like this:

Filter by condition name any **x** [Click anywhere in the spreadsheet to add filters](#)

Change “any” to “contains.” Enter “SM” (it is case sensitive) and press enter.

Filter by condition name contains SM **x** 154 rows hidden. [Click anywhere in the spreadsheet to add filters](#)

Now only sessions with “SM” in the condition name will show. This represents all Secondary Main Study sessions.

To further sort the data, you may have multiple tabs sorted. Now click “name” under “group.” The filter will now appear as:

Filter by

condition name	contains	SM	✕
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group name	any	▼	✕
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 154 rows hidden.

Change “any” to “contains.” Type in “math” and hit enter.

Filter by

condition name	contains	SM	✕
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group name	contains	math	✕
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 172 rows hidden.

Now only Secondary Main Study (SM) sessions with Math in the group name will show.

To download this specific sorted data set, scroll to the bottom of the data and click on “Download selected folders (### omitted) as zip.”

⬇️ [Export all as CSV](#) | [Download all folders as zip](#) | [Download selected folders \(172 omitted\) as zip](#)

Example 2: Sort for ABS Main Math

Click on “name” under “task” to bring up the Task Filter.

Filter by

task name	any	▼	✕
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[Click anywhere in the spreadsheet to add filters](#)

Change “any” to “is” and enter “ABS” (It is case-sensitive).

Filter by

task name	is	▼	ABS	✕
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 43 rows hidden. [Click anywhere in the spreadsheet to](#)

Now click on “pilot” under “pilot” and change the dropdown to “not pilot.”

Filter by

task name	is	▼	ABS	✕
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pilot indicator	not pilot	▼	✕
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 100 rows hidden.

Now click on “name” under “group” and change the drop down to “contains.” Enter “math.”

Filter by

task name	is	▼	ABS	✕
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pilot indicator	not pilot	▼	✕
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group name	contains	math	✕
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 149 rows hidden.

The data shown is now ABS main study math.