

# README: ARQMath Submission Instructions

May/June 2020 (authors: B. Mansouri and R. Zanibbi)

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## Deadlines

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- **June 5 , 2020:** Last day for submission of runs (Anywhere on Earth (AOE))
- July 10, 2020: Task paper draft and results shared with participants
- **July 17, 2020:** Participant papers due
- Mid-to-late August (date TBD): Revised (camera-ready) participant paper due
- Aug 28, 2020: Final lab report submitted

## Valid Hits for Tasks 1 and 2

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These are the constraints on hits for results in each task (with links to corresponding reference files):

- **Task 1 (QA):** Any answer that exists in the [Post file](#) is a valid post - even if we have failed to annotate formulas from them.
- **Task 2 (Formulas):** Only formulas included in the latex-formatted formula index are valid. Put another way - return only formulas included in the [latex-formatted formula index file](#).

## Getting Started

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**IMPORTANT:** Make sure to review the following documents, which details submission requirements (e.g., file formats, file naming, etc.) along with how submissions will be evaluated for the task (Tasks 1 and 2).

- [ARQMath guidelines](#) - file formats, maximum submissions, etc.
- [ARQMath evaluation protocols](#) - file formats (TSV - *not* TREC-format QREL files), pooling strategy, evaluation protocol

This directory contains two subdirectories, one for run files for Task 1 (answer retrieval), and one run files for Task 2 (formula retrieval).

## Instructions for Submission

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## Setting up your team's submission directory

- **Submission Directory.** All teams will submit their runs using a Google Drive directory provided by the organizers. This directory will contain two subdirectories for the task submission, and a link to this README file. **To set up your submission directory, send email to Behrooz Mansouri at [bm3302@rit.edu](mailto:bm3302@rit.edu).**
- **Using the Submission Directory.** Participants are welcome to organize their submission directory however they choose (e.g., subdirectories for old and/or alternate runs). However note that **organizers will be selecting runs from the top-level `Task-1-QA` and `Task-2-Formulas` directories.**

## Submitting Runs

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- **Submission Format.** Runs **must** be submitted in the formats provided in the [ARQMath evaluation protocols document](#).
- **Number of Runs.** For each of Tasks 1 and 2, up to a maximum of 5 runs may be submitted (i.e., 5 runs for Task 1, and 5 runs for Task 2). We guarantee that the run identified as 'primary' will contribute to the judgment pools, with the inclusion of hits from alternate runs depending upon the number of submissions.
- **Run File Naming.** Participants **must** name their run files using the convention in the [guidelines document](#), to identify primary/secondary runs, which runs are automatic or manual, and other important run attributes (e.g., whether text or formulas are used to produce hits) that will be used to analyze results for the task.
- **Run Types.** For each task, participants should submit their single 'best' run as primary (again, see naming convention in the [guidelines document](#)), to insure that they are included in the evaluation.
  - Some teams have received permission to submit multiple primary runs - **only** those teams may submit more than one primary run for each task, with still a maximum of 5 runs in total for each task.
- **Use of runs in evaluation.** The organizers will select runs from the top-level `Task-1-QA` and `Task-2-Formulas` directories (up to 5 runs in each directory). Please make sure to have only 5 runs in each of the `Task-1-QA` and `Task-2-Formulas` directories.
  - **If there are more than five runs in a submission directory,** we will select the most recent primary run (as identified by the filename), and the 4 most recent alternate runs.