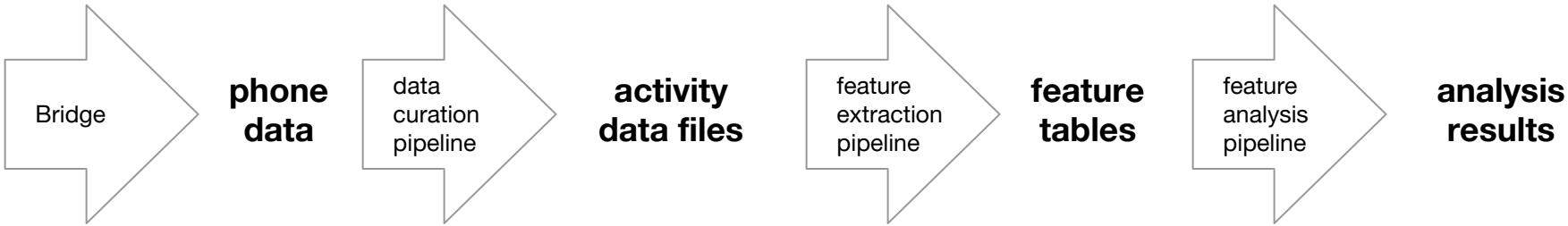
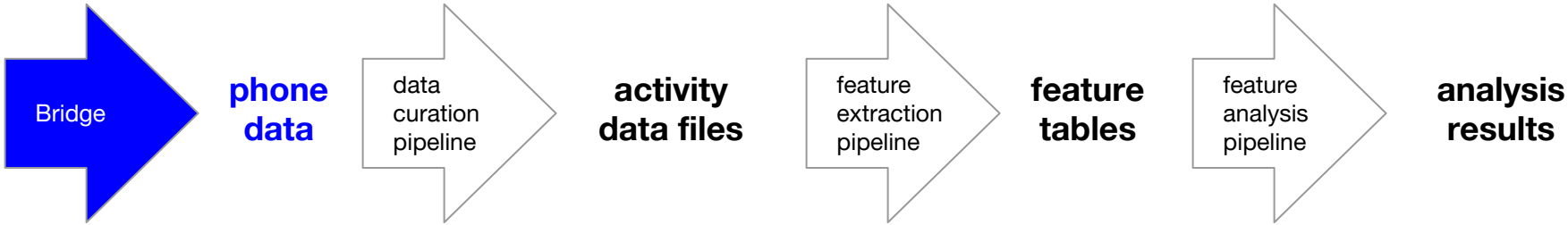
mHealth pipeline

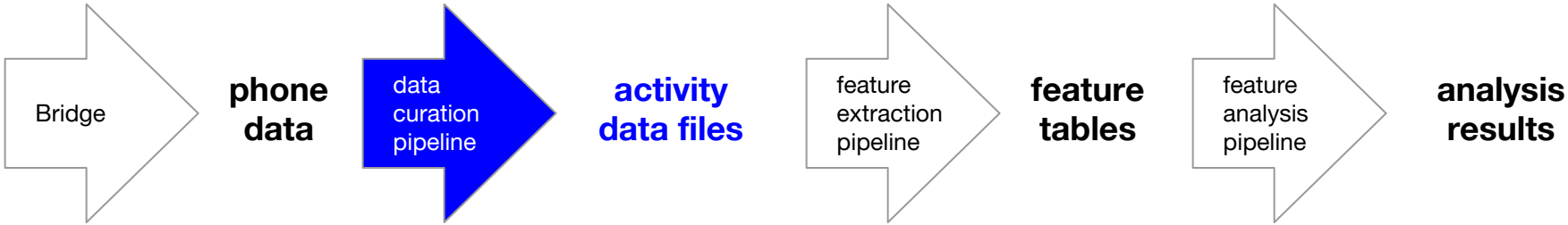


mHealth pipeline



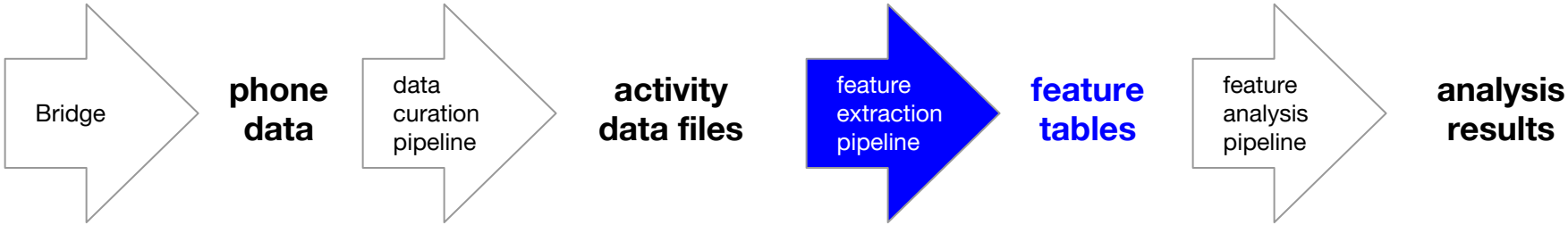
Mike's team

mHealth pipeline



Brian

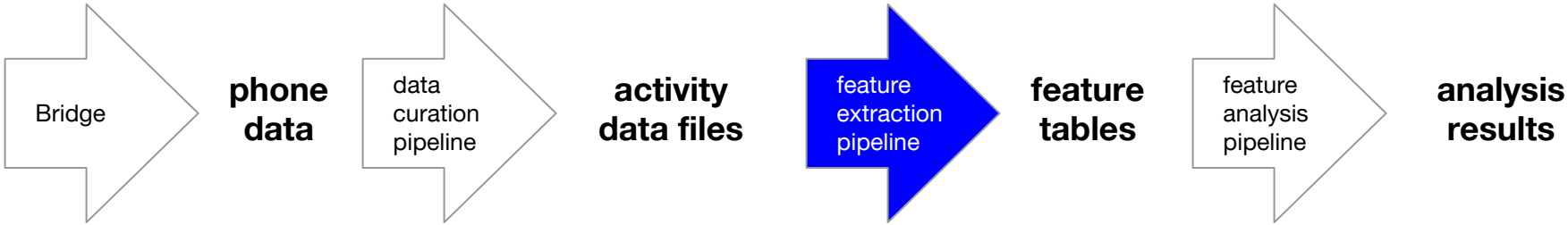
mHealth pipeline



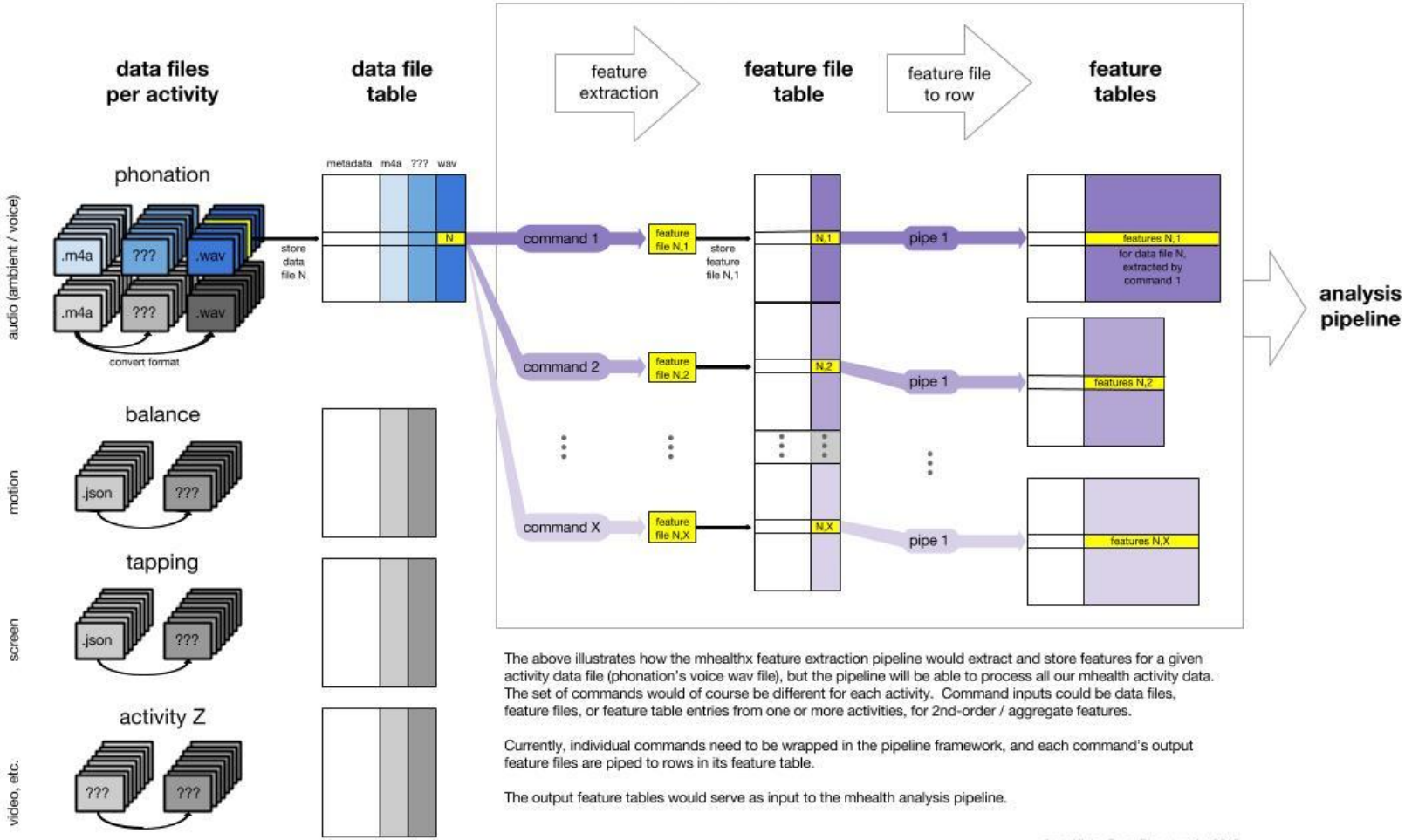
Arno

mHealth pipeline

mHealth pipeline



mhealthx feature extraction pipeline



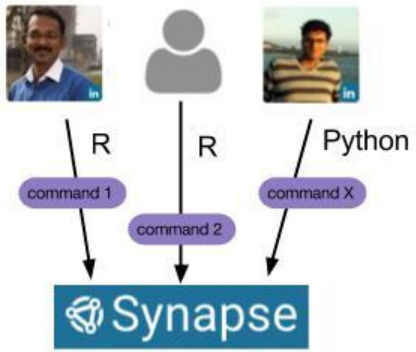
The above illustrates how the mhealthx feature extraction pipeline would extract and store features for a given activity data file (phonation's voice wav file), but the pipeline will be able to process all our mhealth activity data. The set of commands would of course be different for each activity. Command inputs could be data files, feature files, or feature table entries from one or more activities, for 2nd-order / aggregate features.

Currently, individual commands need to be wrapped in the pipeline framework, and each command's output feature files are piped to rows in its feature table.

The output feature tables would serve as input to the mhealth analysis pipeline.

Arno Klein, Sage Bionetworks 2015

Command specification Pipeline

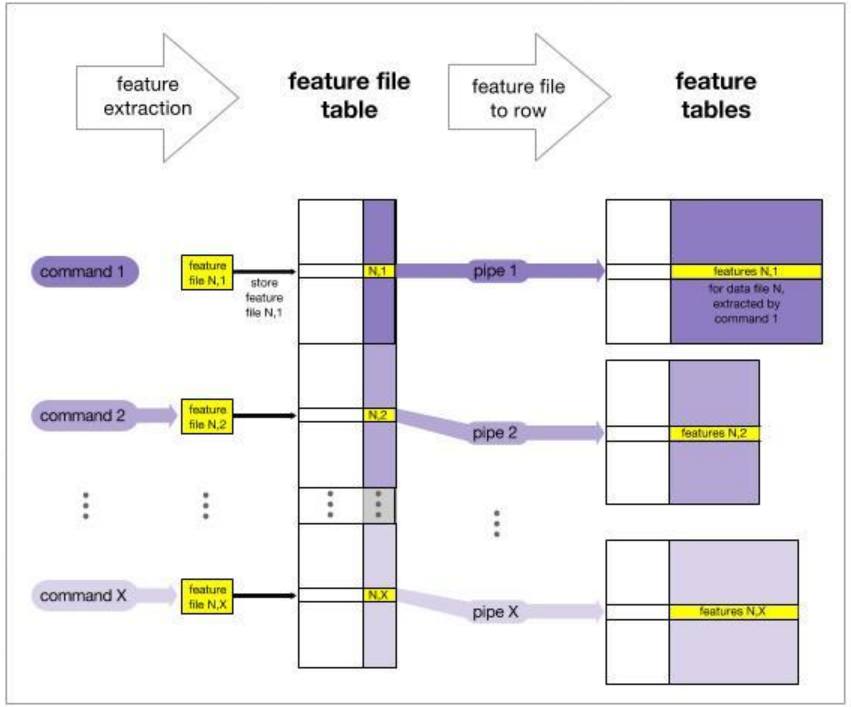


Leaderboard tracks progress

ID	Date	name	entity	team	AUC	Balanced Accuracy
2563130	08/04/2014 06:34:32AM	ADDT_question_2_prediction_new_04.txt	syn2563128	A		
2563136	08/04/2014 06:49:22AM	ADDT_question_2_prediction_new_05.txt	syn2563134	A		
2563146	08/04/2014 07:12:52AM	ADDT question 2 prediction new 06.txt	syn2563145	A	0.5160	0.5490
2563155	08/04/2014 07:33:18AM	ADDT_question_2_prediction_new_07.txt	syn2563154	ADDT	0.5987	0.5898
2563198	08/04/2014 08:48:08AM	Guanlab107	syn2563197	G UMich	0.5975	0.3761
2563200	08/04/2014 09:40:23AM	Guanlab108	syn2563199	G UMich	0.5816	0.4642
2563625	08/04/2014 12:06:11PM	Guanlab109	syn2563624	G UMich	0.5031	0.5351
2563644	08/04/2014 01:03:32PM	q2_test_20140804	syn2563643	Guang Li	0.5529	0.4518

command 1
command 2
command 3

mhealthx feature extraction pipeline



By commands following an interface for input/output that follows schema of input table and output tables respectively