

工作表1

group by skill and different type of question	
Student_id	8
The total bottom	in one group sum "bottomhint"
The total correct	in one group sum "correct"
Average correct rate	in one group (sum "correctrate")/(the number of question in this group) or (sum "correct")/( "actioncount")
Filedin	
Frhrate	
The total Frscaffoldh	in one group (sum "frscaffoldh")
The average Frscaffoldhrate	in one group (sum "frscaffoldh")/(the number of question in this group)
The total hint	in one group (sum "hint")
Average hint rate	in one group (sum "hintrate")/ (the number of question in this group) or (sum "correct")/(sum "actionid")
The total timeover80	in one group (sum "timeover80")
The average timeover80rate	in one group (sum "timeover80rate")/(the number of question in this group) or ( sum "timeover80")/( "actioncount")
The total timetaken	in one group (sum "timetaken")
The average timetaken to action	in one group (sum "timetaken")/(the number of question in this group)
The average time taken to answer correct	in one group (sum "timetaken")/( sum "correct")
The total number notworkinschool	in one group (count "workinschool"=0)
The average rate notworkinshcool	in one group (count "workinschool"=0)/ (the number of question in this group)
The total wrong	in one group (sum "wrong")
The average wrongrate	in one group (sum "wrongrate")/(the number of question in this group)
Try more than twice, but fail	1. count(correctrate=0 and actioncount>1) 2. in one group sum( "count" in 1)

对于每个学生没做对的数量

1. ( 尝试多次还没做对的数量 ) /correct rate=0 action count>1

( 尝试一次没做对就放弃 )

2. 超过50s ( 或者其他 ) 没有做对题目的个数

3.点了hint或者scaffold还没做对题目的个数

\*4.之前做对了 后来没做对题目的个数

或者后面花费更多时间做对题目的个数

5.正确率低于50%的题目的个数

工作表1

Try more than twice, but fail rate	1. count(correctrate=0 and actioncount>1) 2. in one group sum( "count" in 1)/(the number of question in this group)	1
Try once, but fail	1. count(correctrate=0 and actioncount=1) 2. in one group sum( "count" in 1)	1
Try once, but fail rate	1. count(correctrate=0 and actioncount=1) 2. in one group sum( "count" in 1)/(the number of question in this group)	1
Time taken more than 50s but fail	1. count(correctrate=0 and timetaken>50s) 2. in one group sum( "count" in 1)	2
Time taken more than 50s but fail rate	1. count(correctrate=0 and timetaken>50s) 2. in one group sum( "count" in 1)/(the number of question in this group)	2
Use hint but fail	1. count(correctrate=0 and hint!=0) 2. in one group sum( "count" in 1)	3
Use hint but fail rate	1. count(correctrate=0 and hint!=0) 2. in one group sum( "count" in 1)/(the number of question in this group)	3
Use scaffold but fail	1. count(correctrate=0 and scaffold!=0) 2. in one group sum( "count" in 1)	3
Use scaffold but fail rate	1. count(correctrate=0 and scaffold!=0) 2. in one group sum( "count" in 1)/(the number of question in this group)	3
correctrate less than 50%	sum(count (correctrate<0.5))	5
correctrate less than 50% rate	sum(count (correctrate<0.5))/(the number of question in this group)	5