

# Knowledge in the World and Knowledge in the Head

## Instances of Knowledge in the World from the Video:

1. 0:31 : Labels for columns and rows that helps to distinguish between each other. (A, B, 1, 2, 3, 4, 5).
2. 0:20 : After selecting function on the right top corner - in the left bottom corner is explanation what this function does. So user doesn't even have to remember exactly what median, average or sum are.
3. 0:33 : If the user types something incorrectly (e.g. wrong notation) the information about error is shown in the footer (The formula contains a syntax error).

## Instances of Knowledge in the Head from the Video:

1. 0:03 : User has to know that if he/she wants to start a calculation of something he/she needs to put "=" sign in the beginning.
2. 0:34 : User needs to be aware of how to describe the range of cells that he/she wants to calculate. Although there is an explanation that he/she needs to use a semicolon, there is nothing about the fastest way that he used here (B2:B8).
3. 0:06 : User has to know that program doesn't support mean function. Moreover, he/she needs to know about replacement for mean function which is average function.

## Redesign:

Results: DIS exam (out of 60 pts.)

Student Name	Points
Adrian	23,9
Krishna	45,8
Nur	43,0
Anke	40,0
Marcel	12,0
Jan	50,0
Sebastian	45,0
Total	



Explanation:

We've added a section "tips" to the black section on the right of the screen. The section would show up after clicking a cell. This would lessen user's memory load because he would no longer need to remember how start certain functions. For example, in this video the user wouldn't have to remember that if he wants to calculate something he needs to start with "=" sign.

