

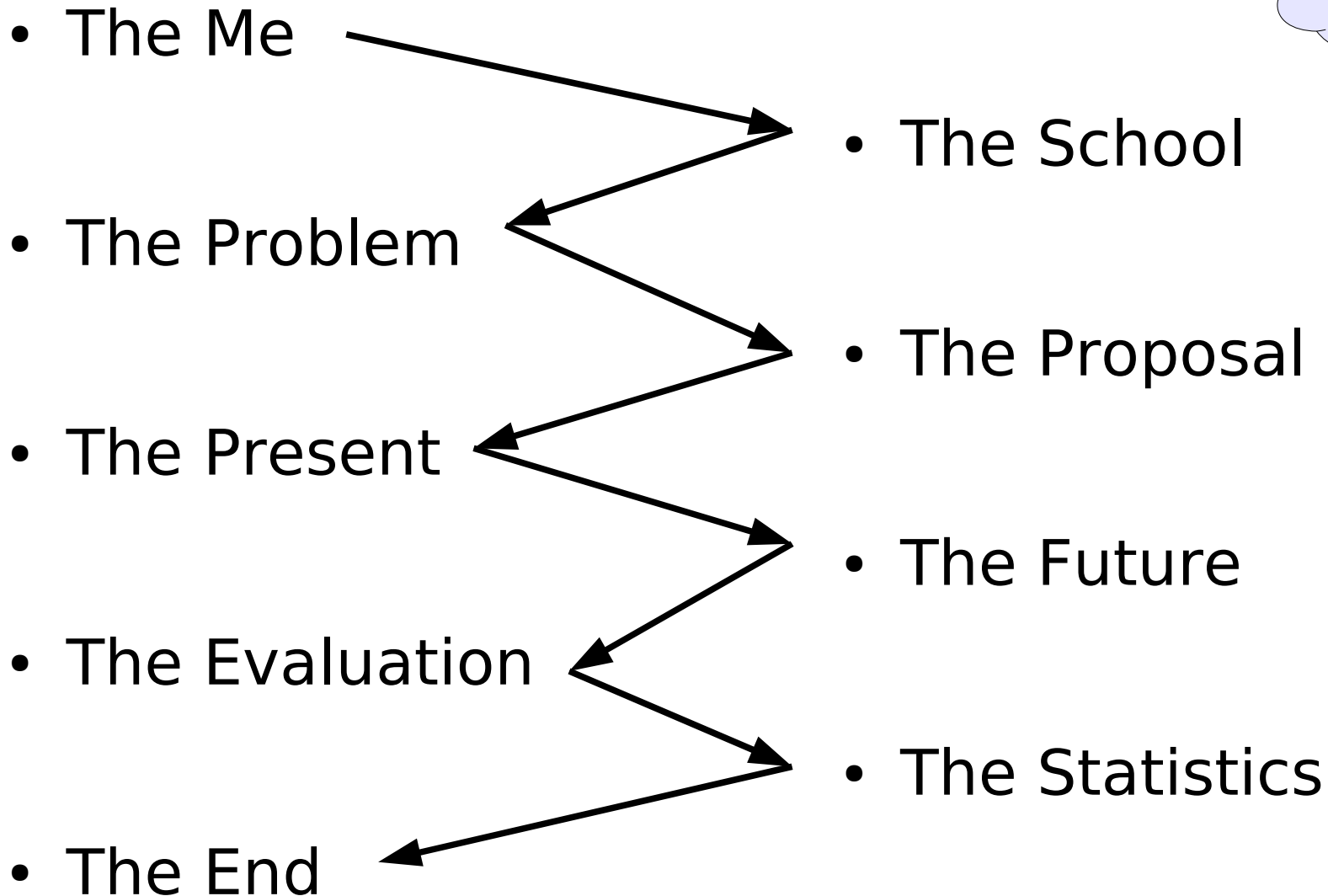
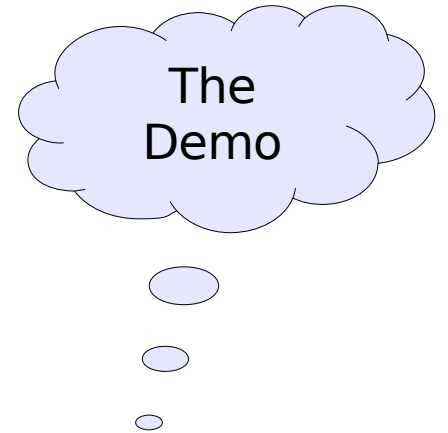
KDE@School (using FreeNX)

aKademy 2007

3rd of July

Mario Fux

The Overview



The Me

- 28 years old student
- Education as a primary school teacher
- Education, CS and CL at the University of Zurich (Switzerland)
- Doing Free Software work since 1998
- Mostly in the context of education and teaching
- Grown up in Ried-Brig in the Middel of the Alpes

The School

- Primary school Ried-Brig in the South of Switzerland
- Population: approx. 1800 human beings
- School: 8 classes and some more teachers
- A rather conservative region of Switzerland
- But the school used PCs for quite some time

The Problem

- At the beginning of 2005
- Old computers (3-5 years old) with MS Windows 98
- The kids liked it to reconfigure the system
- They don't have to much money
- Finally the teachers PCs crashed for a last time in his life

The Proposal (1 of 2)

- An application server thin-client solution with FreeNX on GNU/Linux
- The Server: a 1000 € PC with 2 GB RAM
- The Clients: old computers of the school
- The Software:
 - Debian GNU/Linux Sarge
 - KDE 3.3.2 or something
 - FreeNX and NXClient from nomachine.com

The Conditions (2 of 2)

- Their conditions:
 - The (proprietary) windows education software has to work on the new system
 - Internet, text processing, printing, etc.
- My conditions:
 - First: All the teachers must agree with the change to a new system (and feedback)
 - A possible participation in a research project or evaluation of me

The Present

- The system is in use since 2 years...
- Last year they bought 2 new servers because they wanted more clients
- There is a computer room and 2 or 3 clients in every classroom
- The pupils power the clients just off (no shutdown)
- The original school administrator changed

The Future

- NX session from at home
- An update to Debian GNU/Linux 4.0 Etch and therewith KDE 3.5.5
- A Windows terminal server as an addition (see what I can do with WINE nowadays)
- Remote future:
 - Change to KDE 4.x
 - Exchange some proprietary education software with free alternatives

The Evaluation

- Done in the last week of this term
- 3 classes
- 3 teachers
- Done with questionnaires

Fragebogen für SchülerInnen



1. Ich finde das Commae zu Hause:



2. Ich finde die Commae:



3. Ich finde die Programme:



4. Mein Commae zu Hause ist:



5. Ich möchte so ein Commae auch zu Hause:



6. Ich möchte nicht am Commae arbeiten:



Klasse:

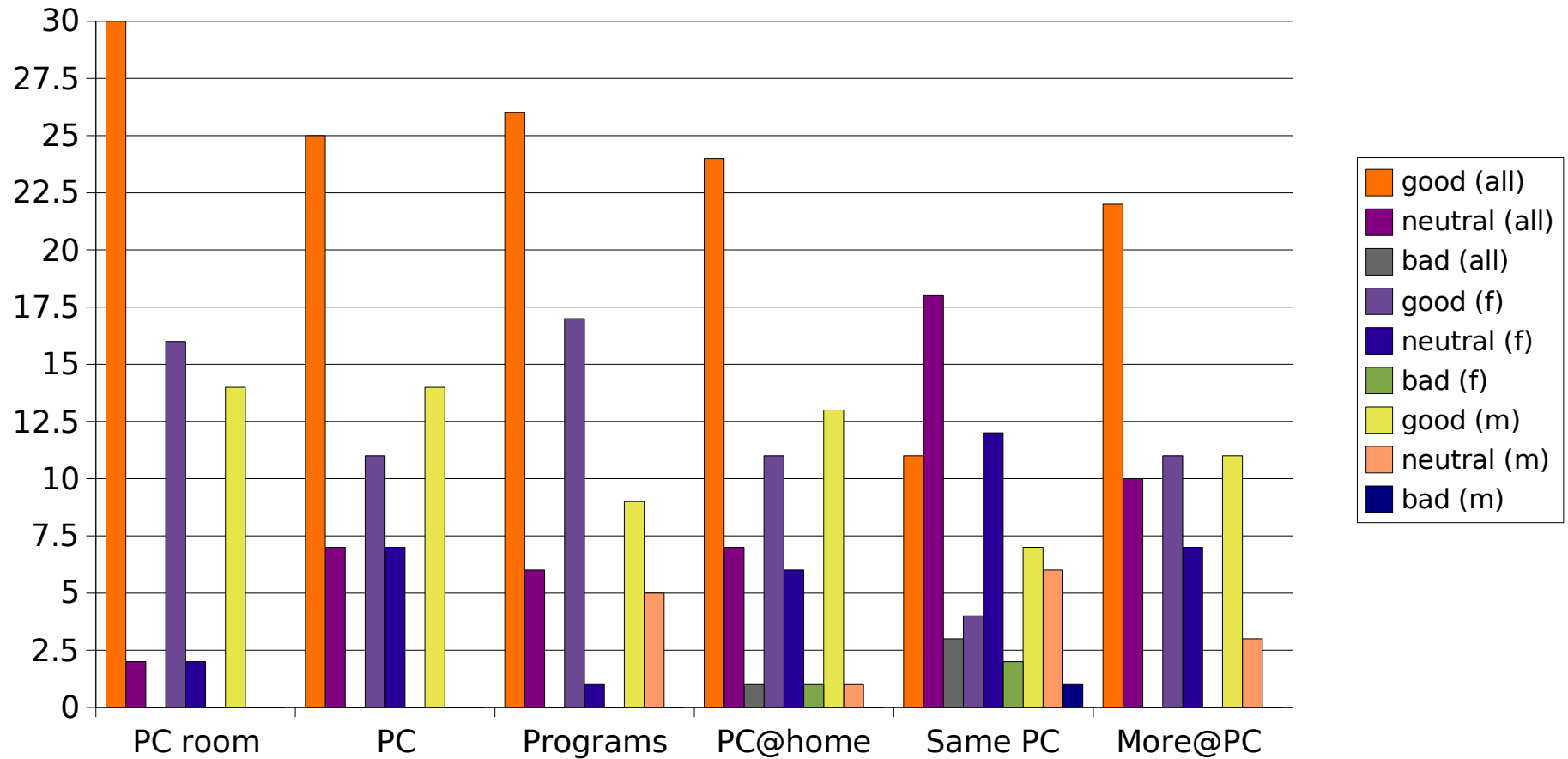


The Statistics (1 of 7)

- 2nd and 3rd class:
 - 32 kids (14 male, 18 female)
- 4th class:
 - 21 kids (11 male, 10 female)
- 6th class:
 - 20 kids (unknown)
- Teachers from the 2nd/3rd, 4th and 6th class

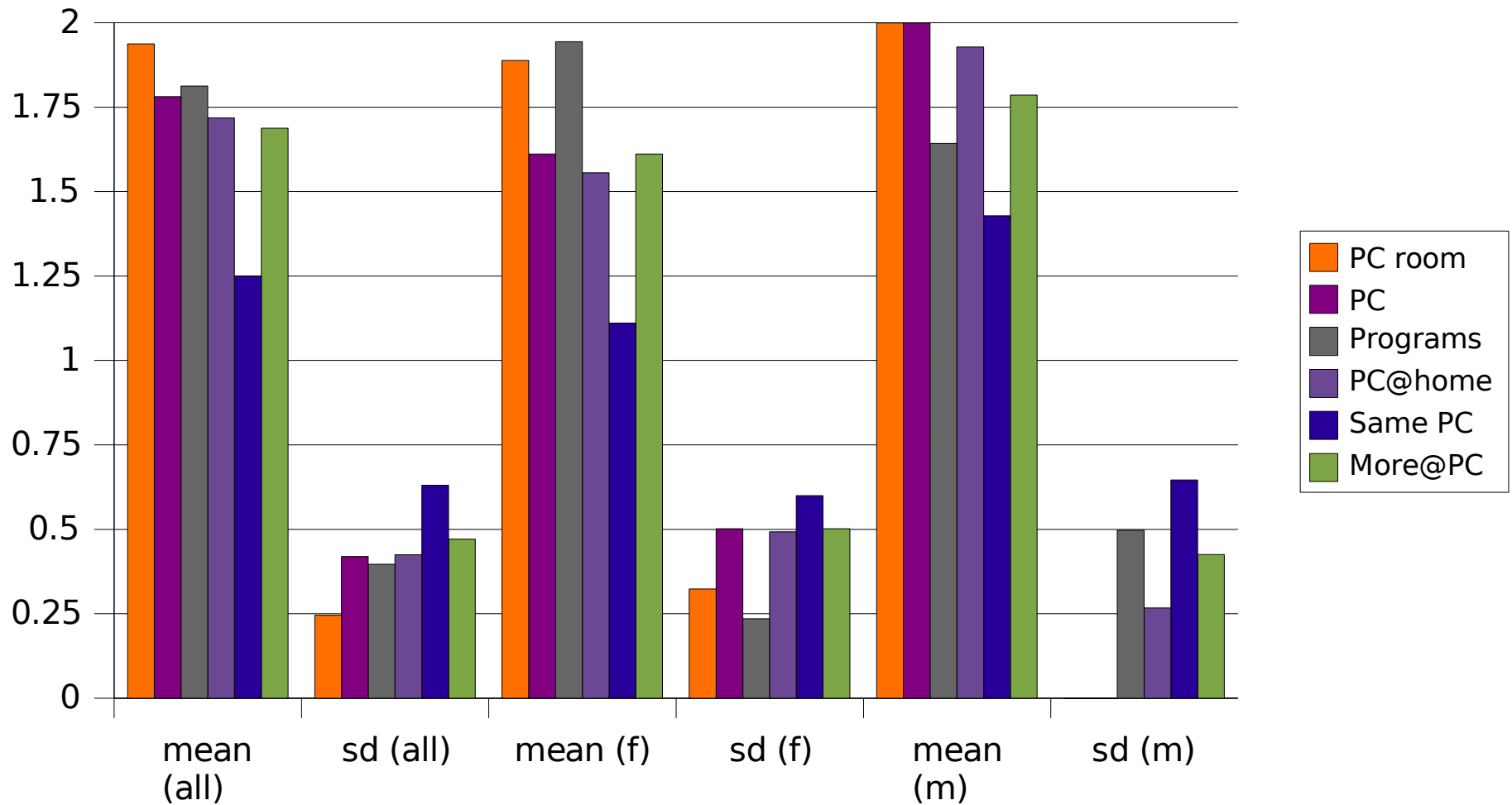
The Statistics (2 of 7)

Class 2+3 (absolute values)



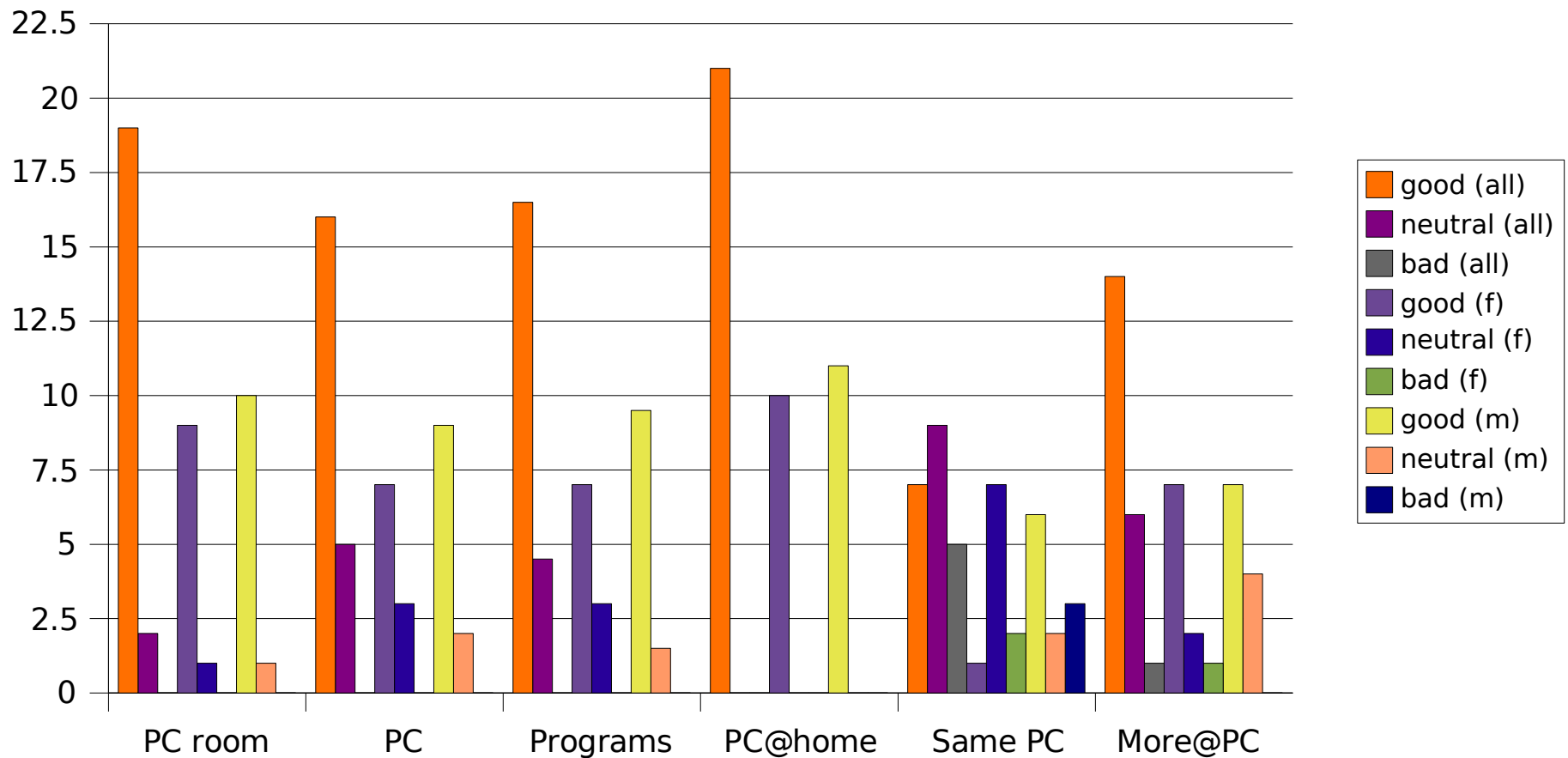
The Statistics (3 of 7)

Class 2+3 (mean and sd)



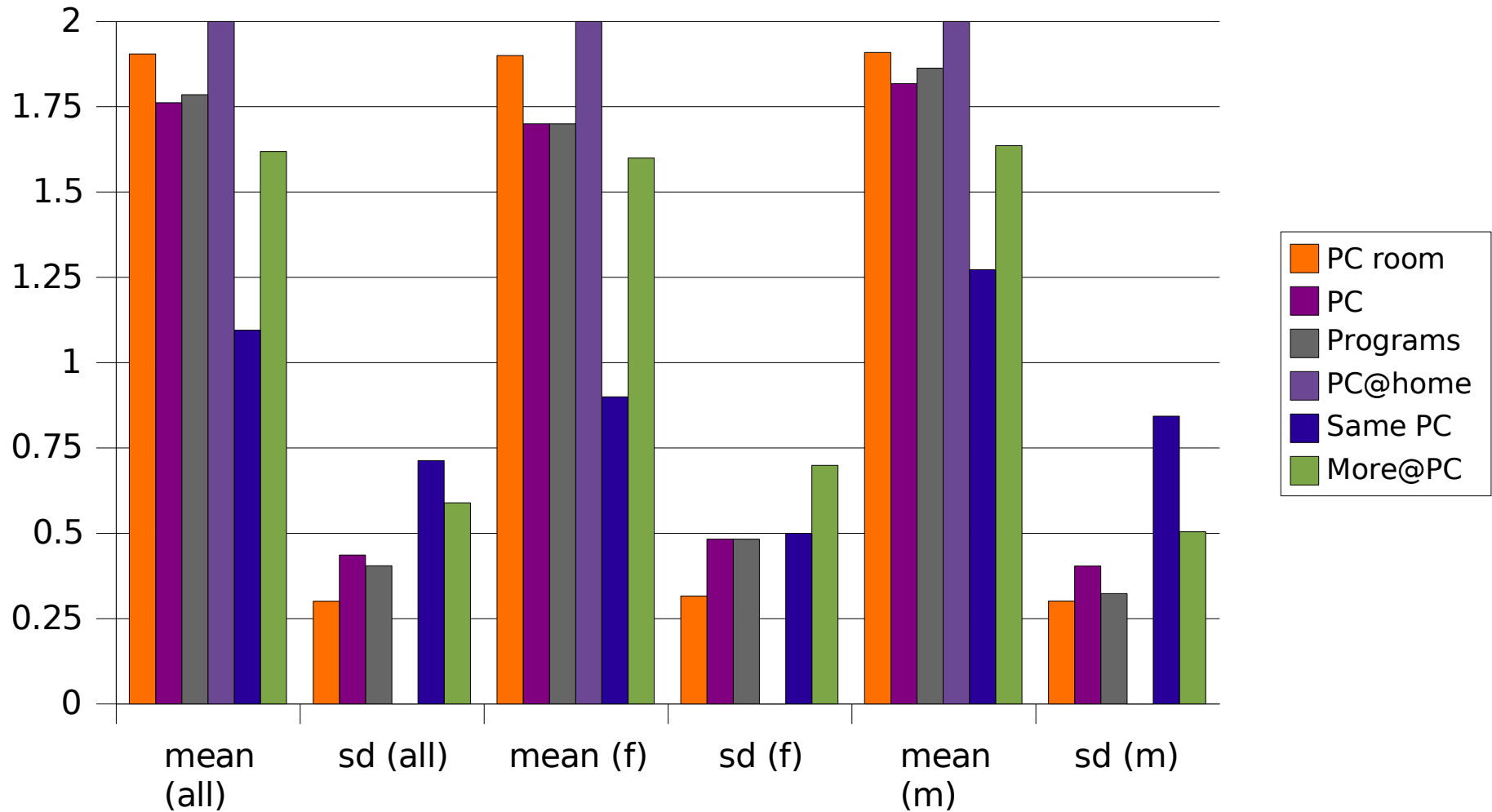
The Statistics (4 of 7)

Class 4 (absolute values)



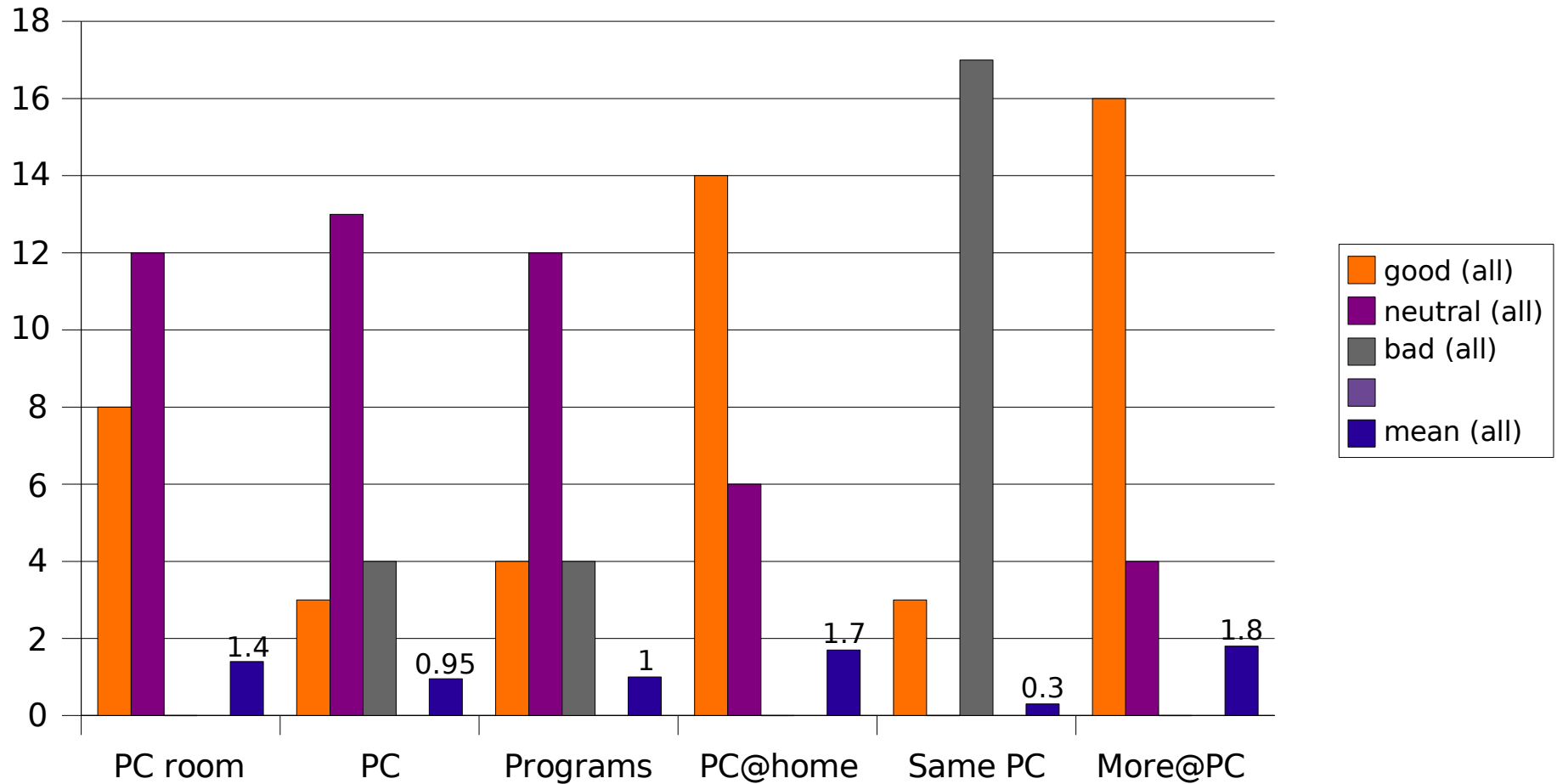
The Statistics (5 of 7)

Class 4 (mean and sd)



The Statistics (6 of 7)

Class 6



The Statistics (7 of 7)

Be happy, this was the last chart ;-).

The End

Any further questions or remarks...?