Anticipation of the result of copying and pasting among UML editors

Daniel Liabeuf

8th System Analysis and Modelling, Valencia, Spain

2014-09-29



Why should study copy and paste in graphical modeling?

- Fast, simple & widespread
- Used and useful in software development



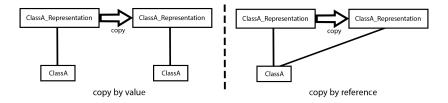


Figure: Copy methods in modeling

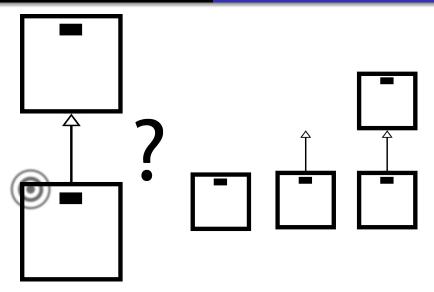


Figure: Copy or not copy: that is the question

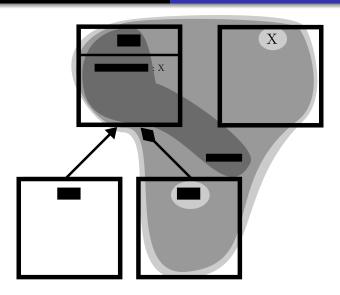


Figure: Syntactic distances from upper-left class

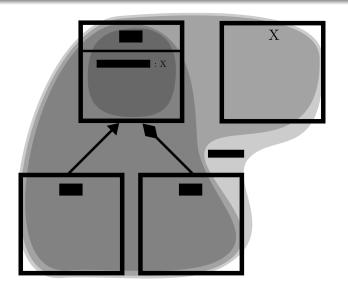


Figure: Perceptual distances from upper-left class

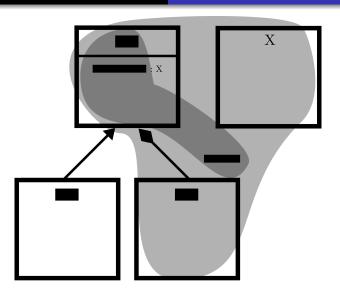


Figure: Semantic distances from upper-left class (M2 semantic)



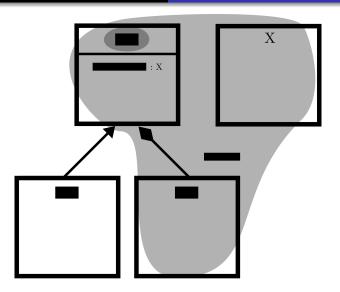
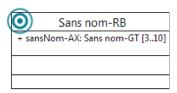


Figure: Semantic distances from upper-left class (semantic domain)

Sans nom-RB	Sans nom-RB
+ sansNom-AX: Sans nom-GT [310]	+ sansNom-AX: Sans nom-GT [310]

Sans nom-GT	Sans nom-GT

Figure: Example of paired tasks



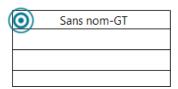
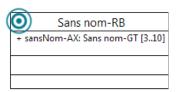


Figure: Answers influenced by visual perception



Sans nom-GT	Sans nom-GT

Figure: Answers influenced by semantic domain

Questions?