## P5.2 Statistics for Medicine

Massimo Borelli

### Master of Advanced Studies in Medical Physics



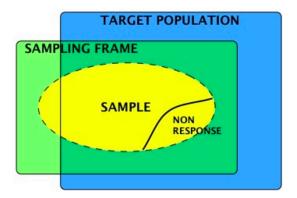




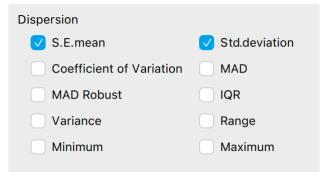
https://ictpmmp.weebly.com/lecture-notes.html

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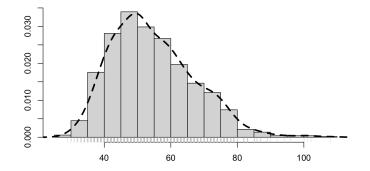
### what about inference



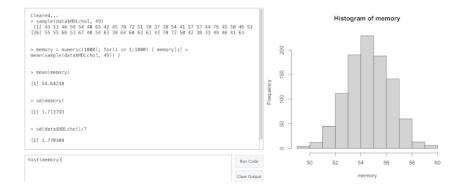
## Mismatching variability with reliability



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Mismatching variability with reliability

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 $\frac{\sigma}{\sqrt{n}}$ 

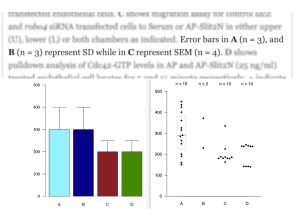
	HDLchol
Valid	1025
Mean	54.685
Std. Error of Mean	0.387
Std. Deviation	12.392

### Mismatching variability with reliability



Yu-Kang Tu and Mark Gilthorpe. The most dangerous hospital or the most dangerous equation? https://bmchealthservres.biomedcentral.com/articles/10.1186/1472-6963-7-185

### Mismatching variability with reliability



Tatsuki Koyama. Beware of Dynamite https://biostat.app.vumc.org/wiki/pub/Main/TatsukiRcode/Poster3.pdf

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