



Do we really need to violate people's privacy to build better models?



What is a computer model?



You're going to have a lunch soon!

Does the quality of the input matter?



* Read more about the model at https://heros-project.eu/output

Do we really need to violate people's privacy to build **precise** models?



Find the tipping point



Precision=1 extreme precision, a "crystal ball" Precision=0.75 small confidence intervals Precision=0.25 wide confidence intervals Precision=0 it is better to toss a coin

X data will give us Y precision **but at the price of privacy**



Costs=1 extremely expensive, a "doomsday scenario" 🐹 Costs=0.75 high expenses Costs=0.25 low expenses Costs=0 no expenses

Y precision will help us to achieve
Z "costs", but again, at the price of privacy

At some point, microdata does not increase the precision of the model. To preserve privacy and given that the future is uncertain, we must focus on using open data and designing robust policies* that account for numerous plausible scenarios.

* A robust policy is a policy that will work no matter what, e.g. virus parameters, will occur.

Meet the team 🛠

