

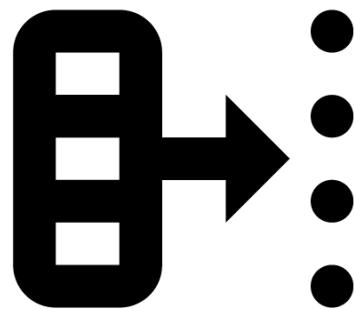
## Hands-on 2 discussion

**Combining & analysing the results**

# Current status

- We have created an efficient ABM
- We have run it 14 million times on the supercomputer
- We have stored the results of this ABM in chunked files
- Let's take a look at the output!

**retrieve**



# Retrieving the results: two options

## Local version

- Download the individual result files to your own computer
- Write a script to combine those results with our parameter grid
- Analyse the results

## Remote version

- Write a script to combine those results with our parameter grid
- Download the parameter grid to your own computer
- Analyse the results

# Retrieving the results: two options

## Local version

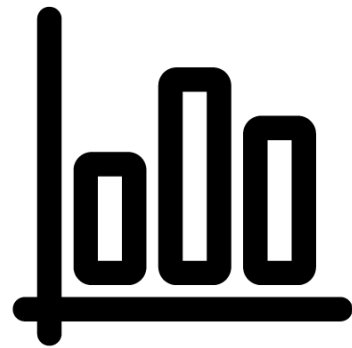
- Download the individual result files to your own computer
- Write a script to combine those results with our parameter grid
- Analyse the results

## Remote version

- Write a script to combine those results with our parameter grid
- Download the parameter grid to your own computer
- Analyse the results

**Let's take a look!**

**analyse**



**present**



# Analysis of the results

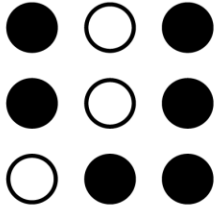
**What proportion of non-western migrants is “happy” with different levels of neighbourhood preference  $B_a$ ?**

(remember, this is just a mock/example question & analysis)

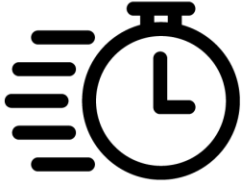
- Now we have 14 470 000 proportions of non-western migrant happiness
- We want to summarize / analyse the results somehow
- **There are many ways to do this!! I will show one**
- Important step: combine results with geospatial dataset `migr_sf` for presentation



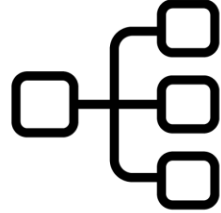
**abm**



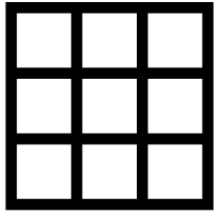
**faster**



**parallel**



**grid**



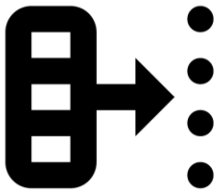
**script**



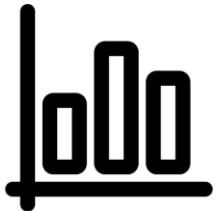
**submit**



**retrieve**



**analyse**



**present**



# Questions & Discussion

# Stay in contact!



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