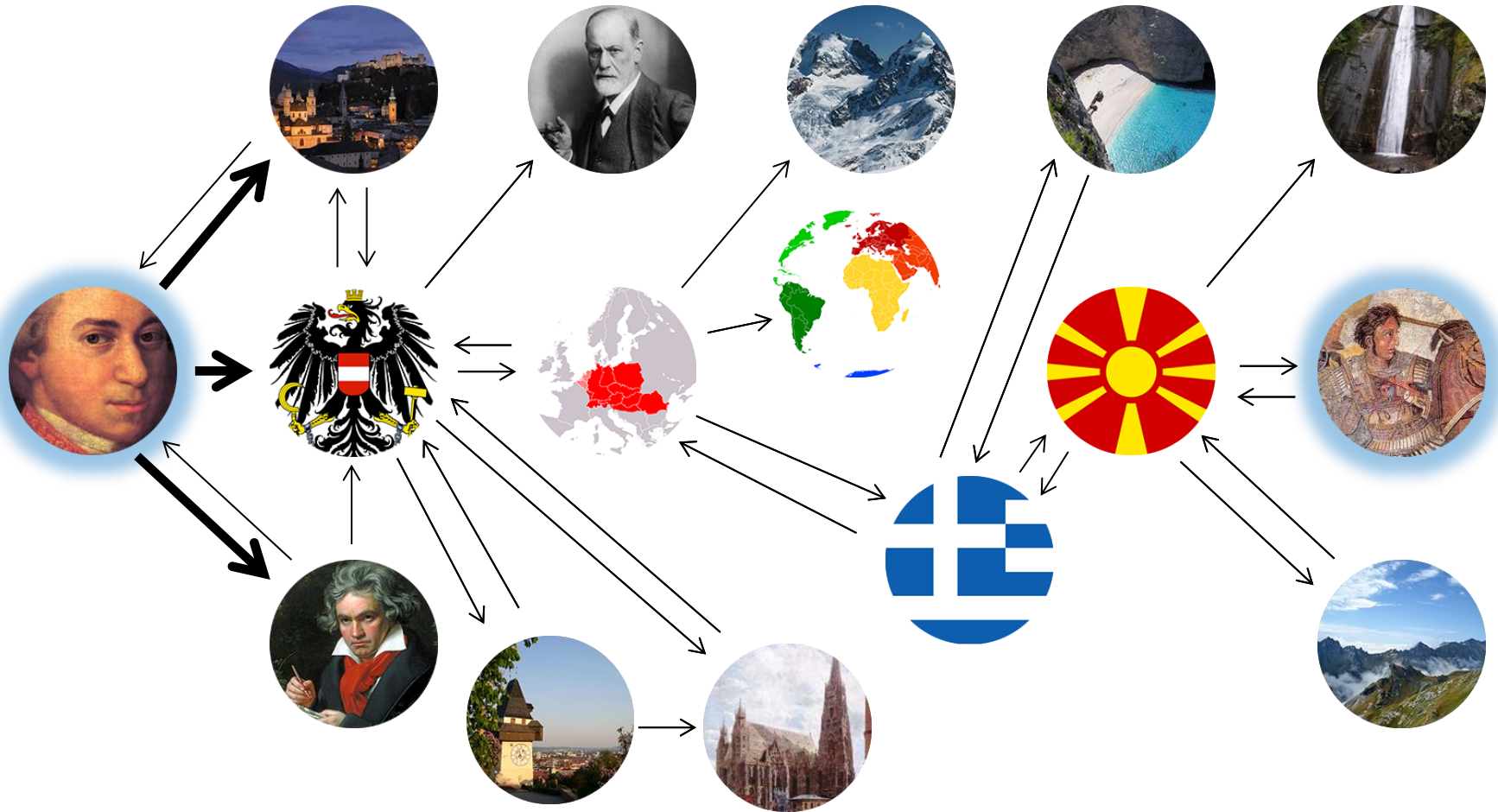# Human Navigation Behavior in Information Systems
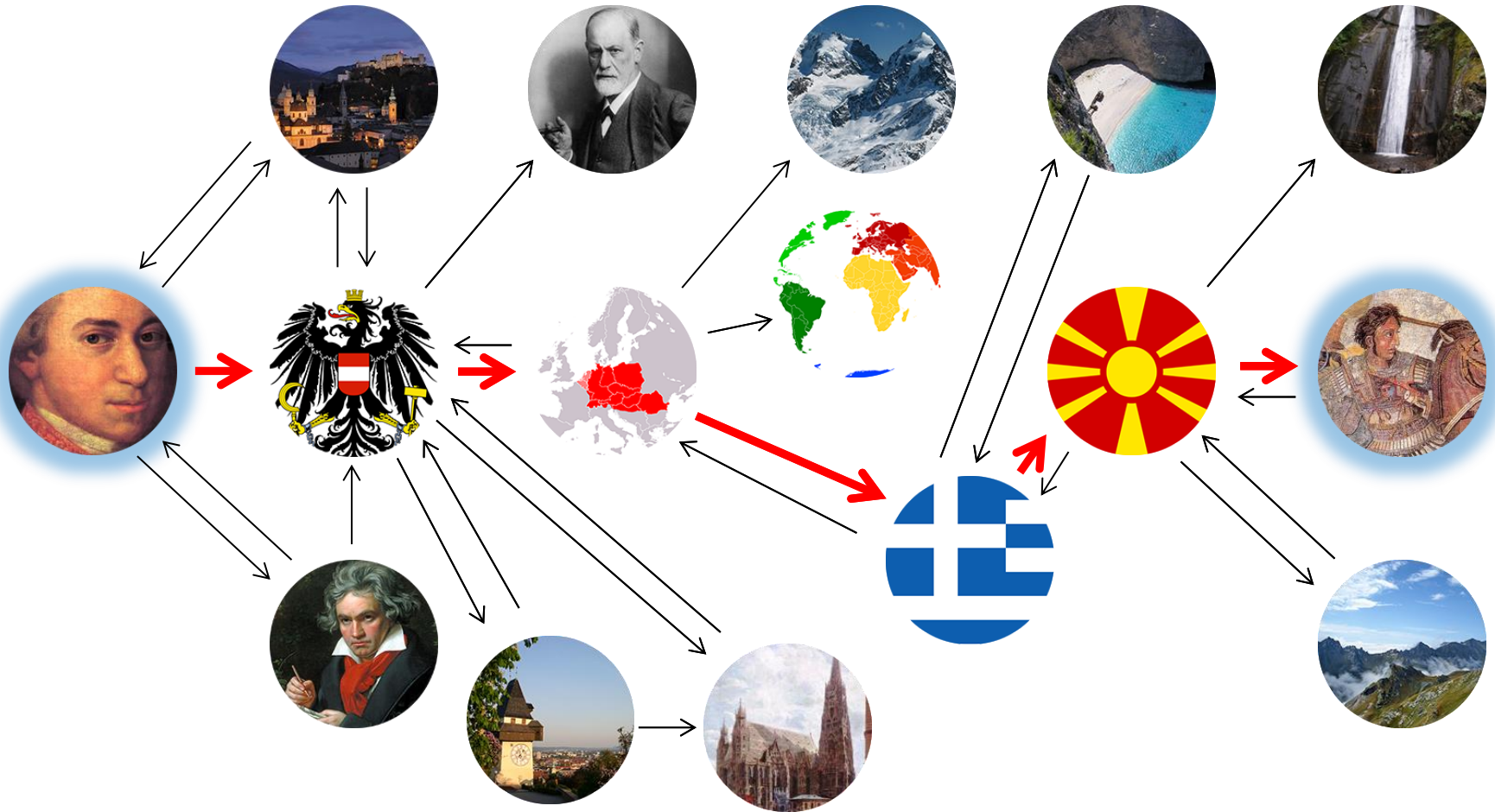
Florian Geigl
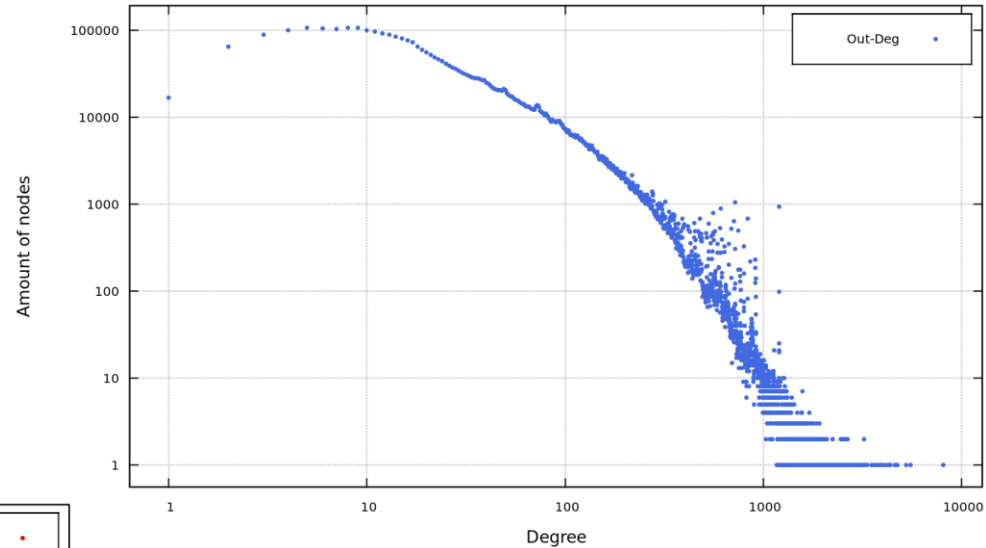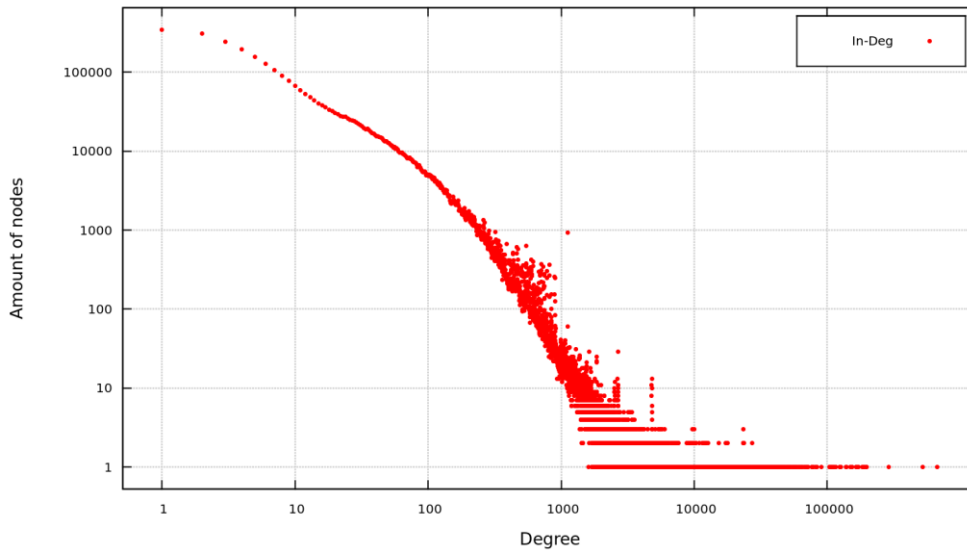
14.09.2013

Navigation
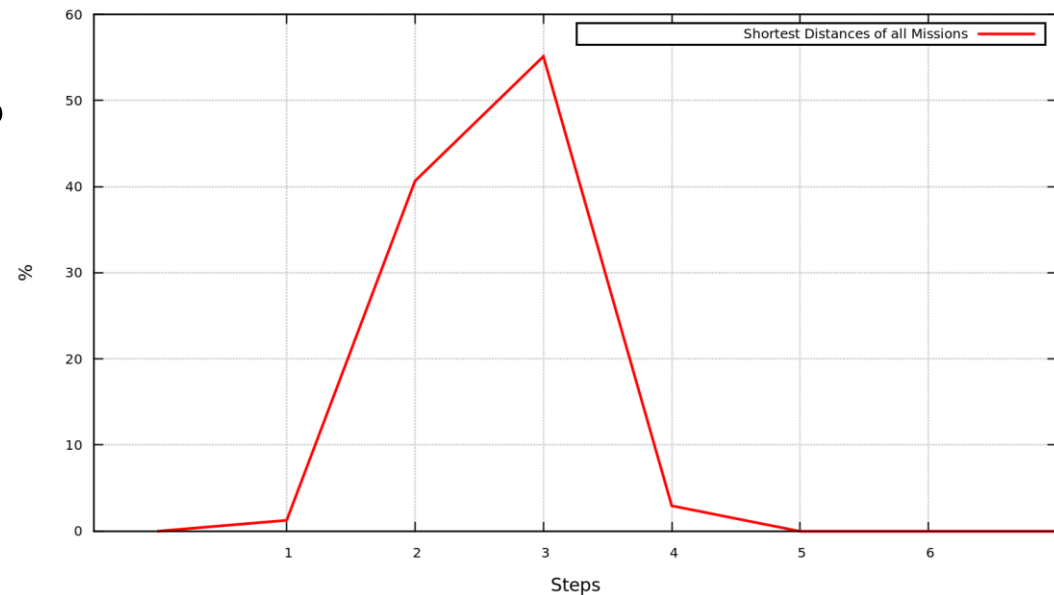
Navigation

Used Network

- English Wikipedia

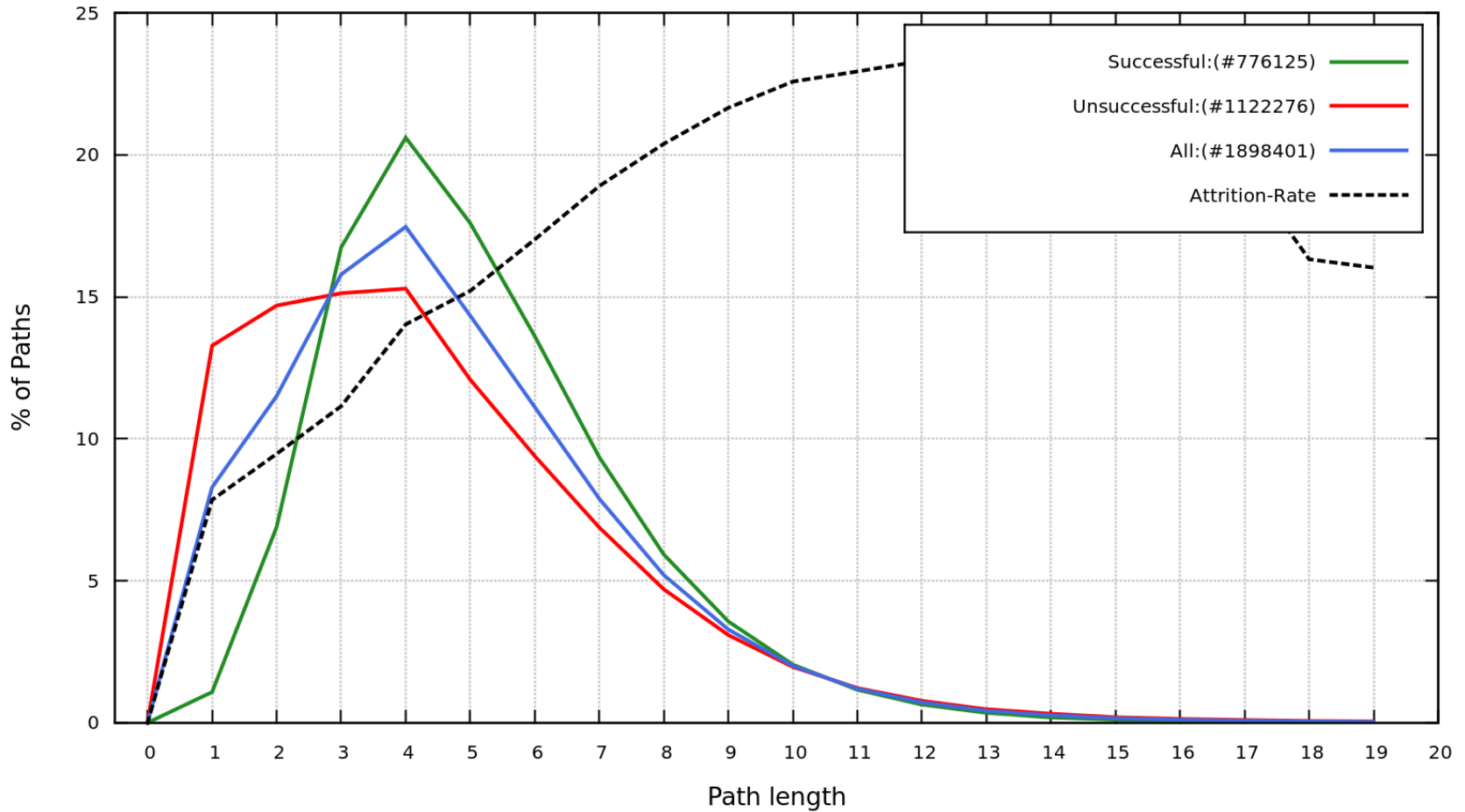 – Wikipedia Dump
  – 15. Nov. 2011

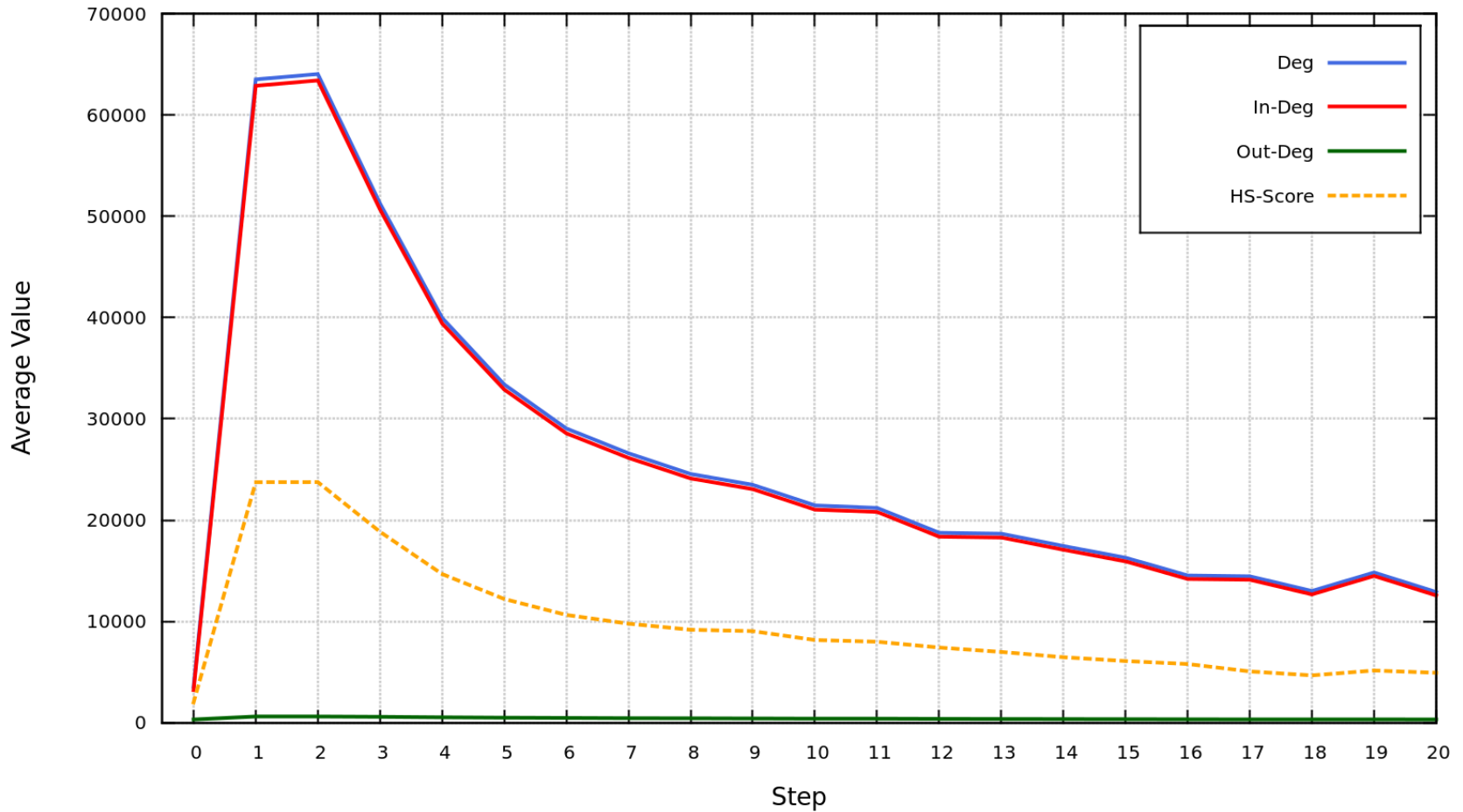3.8 millon nodes / articles

232.5 millon edges / links

Userdata

- Wikigame
  - Given Start-Article to given Target-Article

- Userdata
  - 1.8 million Paths
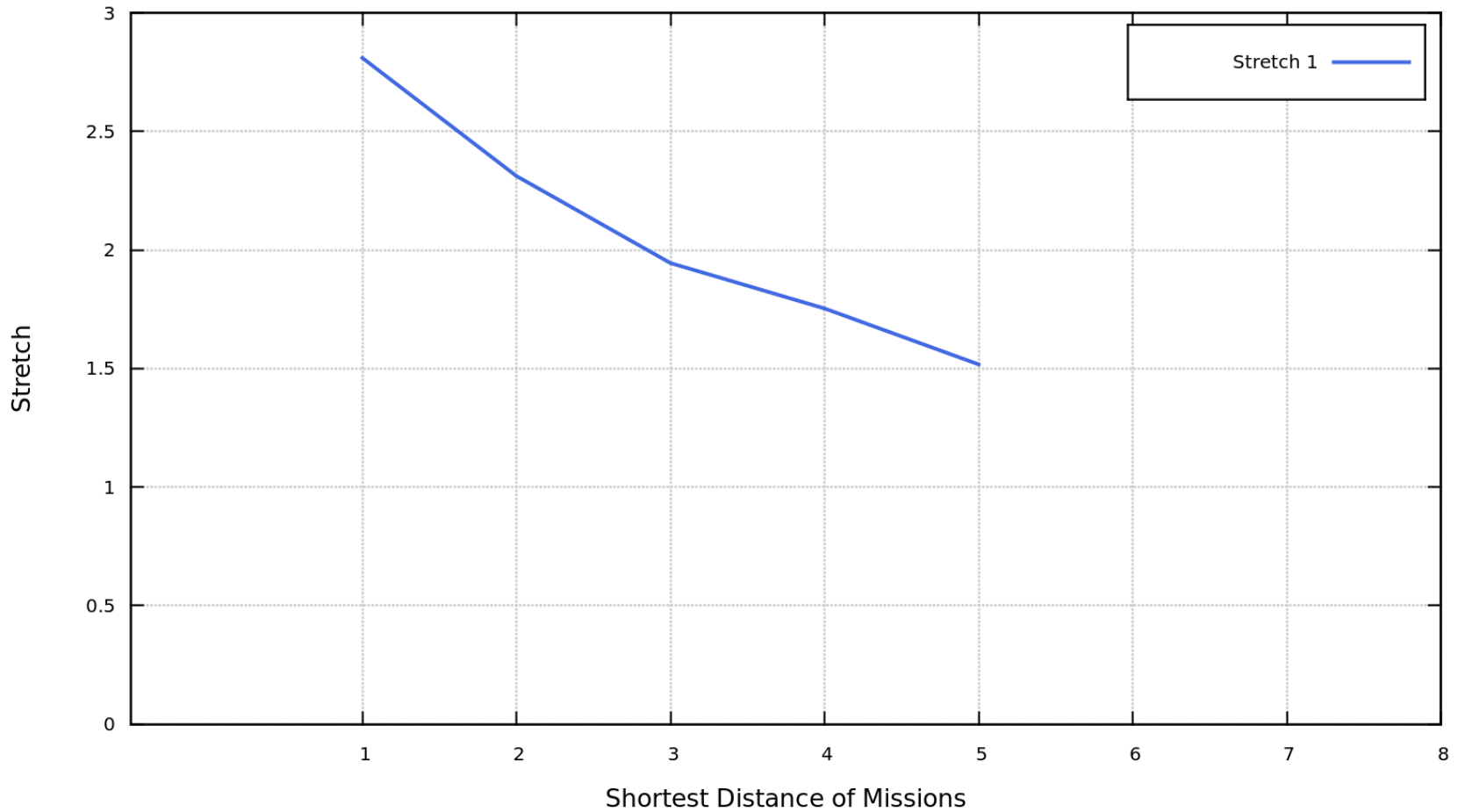 - Successful Paths: 41%

- Shortest Distances
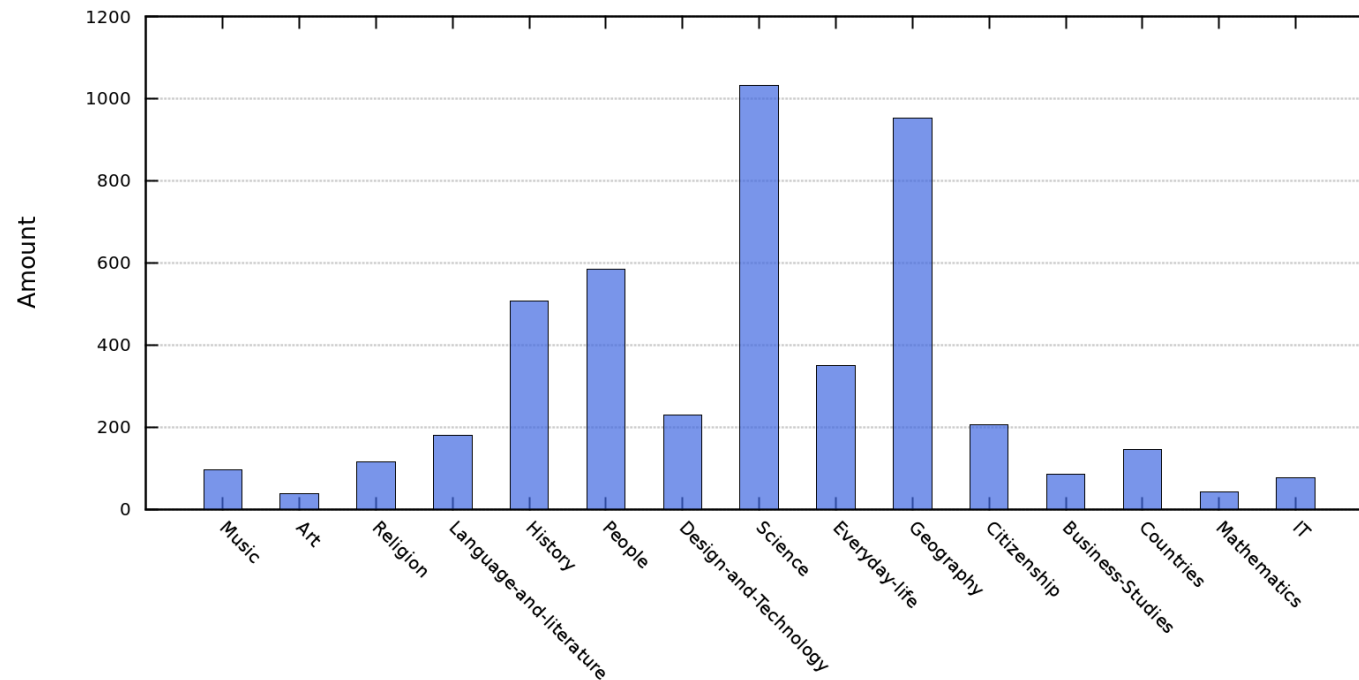 - Length ∅ 2.6 steps

Path length

Average Degrees

Stretch

Creating efficient Search Committees

Dataset

Wikipedia for Schools   directed Network
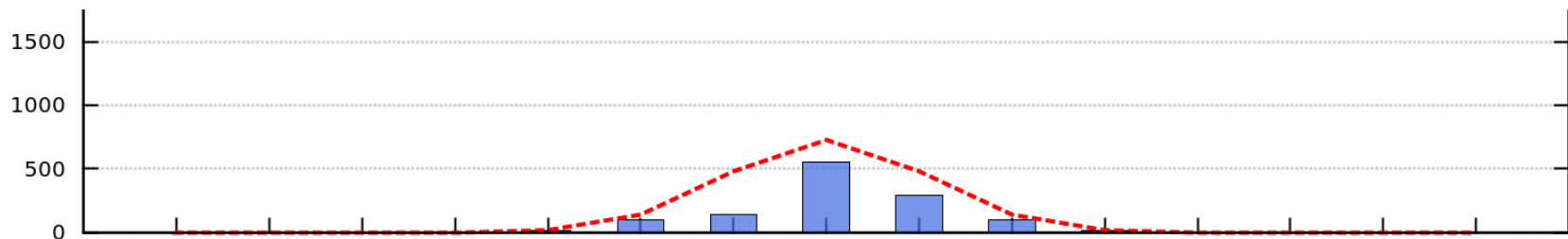
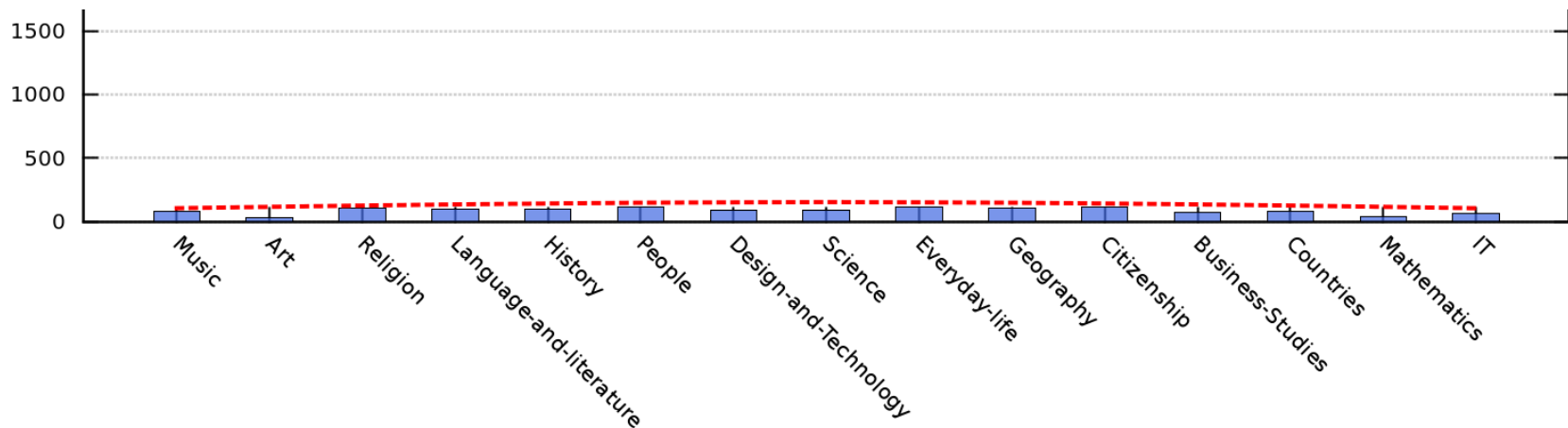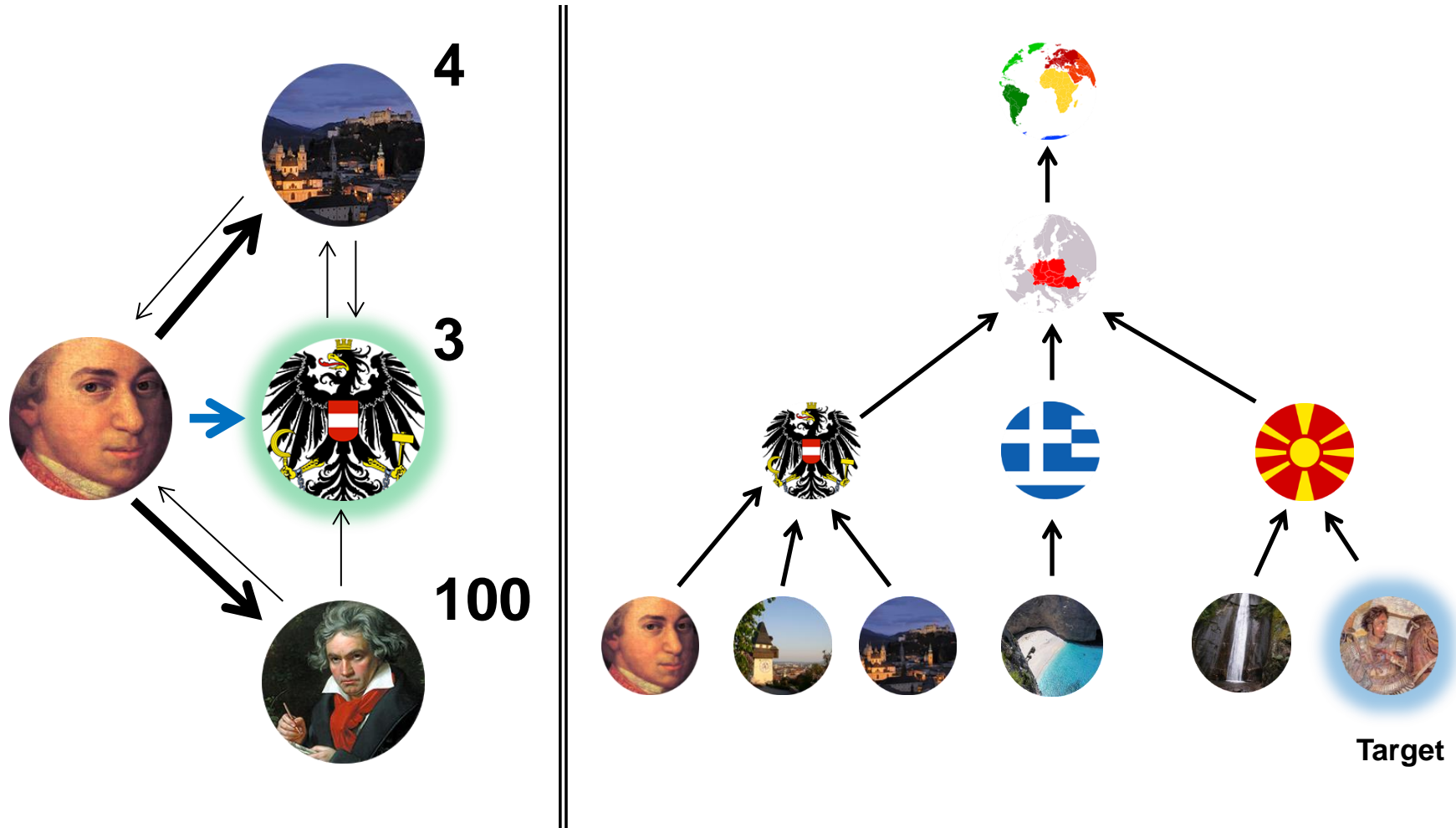4 642 articles / nodes   119 915 links / edges

15 Categories

Agents

- ## Specialists

- ## Generalists

Greedy-Strategy

4

3

100

Target

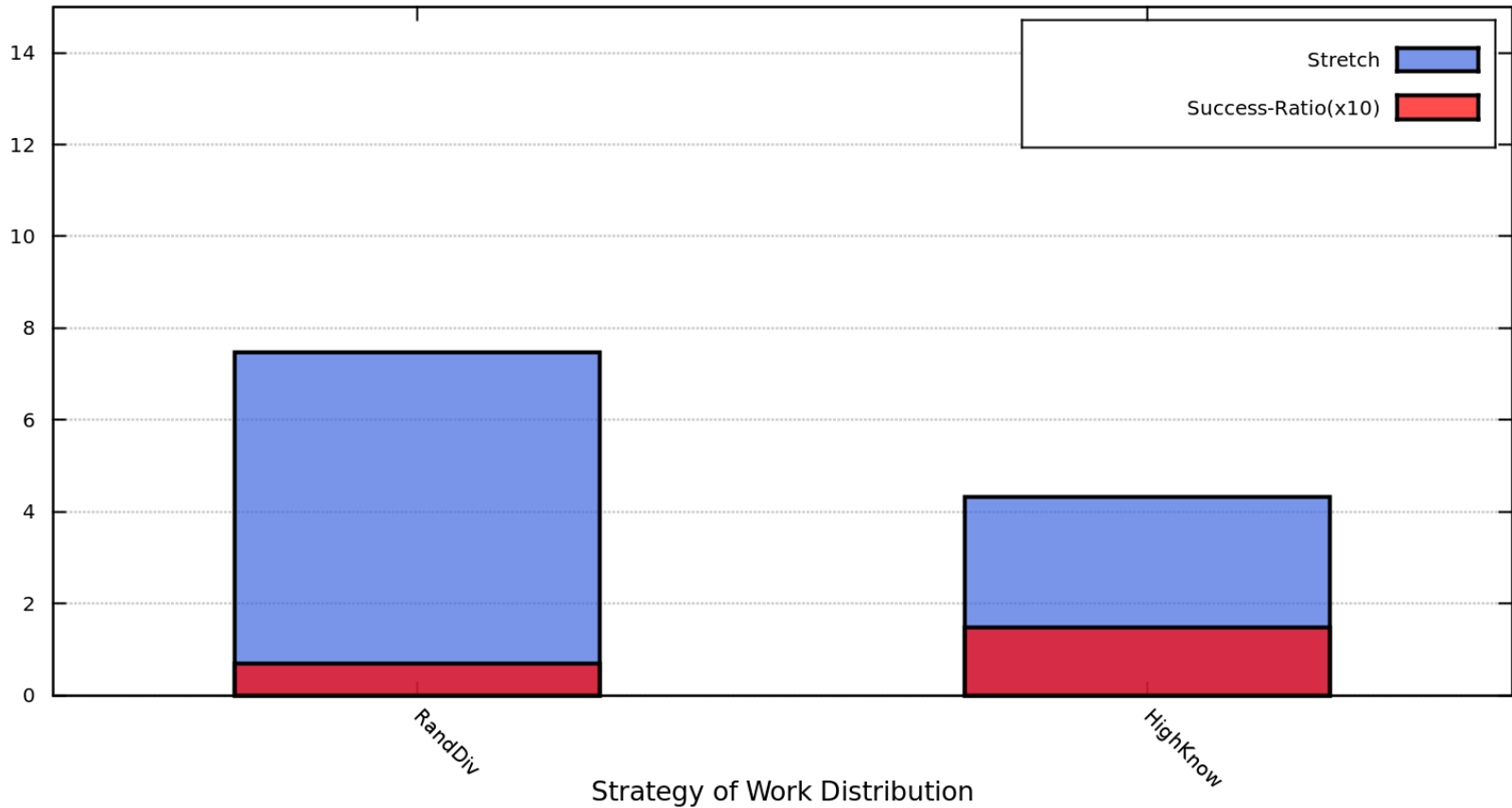# First Experiments

Performance 7 Specialists 8 Generalists

Muchas Gracias