

Flow Chart for 2011-2012 Study Methodology

Phase 1: Survey sample size **204**: 300 articles randomly selected from all 1082 articles published in Science Magazine from 2011-2012, of which 204 were computational.

24 articles provided sufficient information for us to directly access associated artifacts.

180 authors were emailed. If no reply a single follow up email was sent at 2 weeks. Study closed 2 weeks later.

131 responses (of which 65 remitted some artifacts)

46 no response

3 bounces

Phase 2: Replication sample size **89** (24 + 65)

Likely to be reproducible by us: **56**

Potentially reproducible given more resources than we had: **9**

Not likely to reproduce: **24**

Random sample of **22** chosen for reproduction: all but 1 reproducible