|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|  | Start-End Quarters | Winter | Spring | Summer | Fall | Winter | Spring | Summer | Fall | Winter | Spring | Summer | Fall | Winter | Spring | Summer | Fall | Winter | Spring | Summer | Fall | Winter | Spring |
| **Project Quarter** |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |  |
| *Prior to Research* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Finalize approval from human subjects committee
 | .. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Plan and prioritize network contacts
 | .. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *International Fieldwork* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Background research on bot makers and detector labs
 | 1-2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Develop interview script and observation plan
 | 1-3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Conduct fieldwork
 | 2-7, 14-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Exit fieldwork: observational memos, summary surveys
 | 7-9, 18-20 |  |  |  |  |  |  |  |  |  | ⦁ |  |  |  |  |  |  |  |  |  |  | ⦁ |  |
| *Building Comparative Event Data Set* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Develop coding instrument, train coders, run pretest
 | 1-4 |  |  |  |  | 🞇 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Code incidents, periodic intercoder reliability tests
 | 4-29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Cleaning and releasing; variable based reliability tests
 | 4, 8, 12, 16, 20 |  |  |  |  | ● |  |  |  | ● |  |  |  | ● |  |  |  | ● |  |  |  | ● |  |
| *Analyzing Comparative Event Data Sets* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Descriptive statistics for trend analysis
 | 4-5, 8-9, 12-13, 16-17, 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Traditional statistical modeling
 | 5-6, 9-10, 13-14, 17-18, 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Fuzzy logic modeling
 | 6-7, 10-11, 14-15, 18-20 |  |  |  |  |  |  |  | 🞇 |  |  |  | 🞇 |  |  |  | 🞇 |  |  |  |  | 🞇 |  |
| *Tracking and Computational Theory* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Review fieldwork and event data for trends
 | 10-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Develop socio-technical model for deploying bot detector
 | 1-4, 13-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Deploy and test prototype bot detector
 | 4-7, 16-20 |  |  |  |  |  |  |  | 🞇 |  |  |  |  |  |  |  |  |  |  |  |  | 🞇 |  |
| *Research Dissemination* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Conference presentations, Budapest Bot Workshop
 | 7-20 |  |  |  |  |  | ⦁ |  |  |  | ⦁ |  |  |  | ⦁ |  |  |  | ⦁ |  |  |  | ⦁ |
| 1. Article submissions
 | 10-13, 19-20+ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Release event data set
 | 4, 8, 12, 16, 20 |  |  |  |  | ● |  |  |  | ● |  |  |  | ● |  |  |  | ● |  |  |  | ● |  |
| *Post Research* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Follow on analysis in scholarly papers
 | .. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Project closing documents and filings
 | .. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Additional dissemination activities
 | .. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Milestone = ⦁ Deliverable = 🞇 Milestone and Deliverable = ● |