| 000 | Online Coming Co.                                    |  | 050 |
|-----|--|--|-----|
| 001 | Online Gaming Co.                                    | mmunities Analysis   | 051 |
| 002 |  |  | 052 |
| 003 |  |  | 053 |
| 004 |  |  | 054 |
| 005 | Tulisov Julia, Goldman Yuv                           | val, Ovadya Adar, Lerer Ben  | 055 |
| 006 |  |  | 056 |
| 007 |  |  | 057 |
| 008 |  |  | 058 |
| 009 |  |  | 059 |
| 010 |  |  | 060 |
| 011 | A least was at                                       | A.2. Condensent Ameliande  | 061 |
| 012 | Abstract   | 4.3 Sentiment Analysis   | 062 |
| 013 | We will do this section last                         | Sentiment analysis is a type of data mining, also known as opinion mining, that measures the in- | 063 |
| 014 | 1 Introduction                                       | clination of peoples opinions through natural lan-   | 064 |
| 015 | 1 Introduction                                       | guage processing (NLP), computational linguis-   | 065 |
| 016 | Our entire project code could be found in our        | tics and text analysis. These methodes used to   | 066 |
| 017 | GitHub repository games-social-nets                  | extract and analyze subjective information from  | 067 |
| 018 | • B • W •  | diffrents sources like Twitter and Reddit in our   | 068 |
| 019 | 2 Previous Work                                      | case.  | 069 |
| 020 | Adar, Ben  | 44 75 4 37 1 11  | 070 |
| 021 | ,  | 4.4 Topic Modeling   | 071 |
| 022 | 3 The Data   | Ben - write about topic modeling   | 072 |
| 023 | Julia  | 4.5 Novel Negativity Evaluation Metric   | 073 |
| 024 | Julia  |  | 074 |
| 025 | 3.1 Data Collection                                  | Yuval  | 075 |
| 026 | We wanted to collect as much data as we can and      | 5 Experiments and Results  | 076 |
| 027 | for that we choose the two most liberal platforms    | •  | 077 |
| 028 | in regards to their data - Twitter and Reddit.       | TODO   | 078 |
| 029 |  | 5.1 Frequent Words   | 079 |
| 030 | 3.1.1 Twitter Listener                               | -  | 080 |
| 031 | To listen to an ongoing stream of tweets in a way    | Ben  | 081 |
| 032 | that will provide us with only the relevant data, in | 5.2 Sentiment Analysis   | 082 |
| 033 | our case, these are tweets that mentions the games   | Adar   | 083 |
| 034 | we are interseted in following, we used the          | Audi   | 084 |
| 035 | 3.1.2 Reddit Scraper                                 | 5.3 Word Embedding   | 085 |
| 036 | _  | Julia  | 086 |
| 037 | Julia  |  | 087 |
| 038 | 3.2 Data Cleaning                                    | 5.4 Negativity Evaluation Metric   | 088 |
| 039 | Julia  | Yuval  | 089 |
| 040 | Julia  |  | 090 |
| 041 | 4 Algorithms   | 6 Discussion   | 091 |
| 042 |  | TODO   | 092 |
| 043 | TODO   |  | 093 |
| 044 | 4.1 Bag of Words - frequent words                    |  | 094 |
| 045 | •  | References   | 095 |
| 046 | Adar   |  | 096 |
| 047 | 4.2 Word Embedding                                   |  | 097 |
| 048 | Julia  |  | 098 |
| 049 | Juna   |  | 099 |
|     |  |  |     |