

Supporting Document for Public Sentiment on Security Cameras

Anonymous

I. INTRODUCTION

This document provides additional supporting materials to the main paper "Public Sentiment on Security Cameras." It includes the list of keywords used for data extraction, text preprocessing code, hypothesis assignment code, word cloud analysis, and detailed visualizations of sentiment trends across the different hypotheses examined in the main study.

APPENDIX A

LIST OF KEYWORDS USED FOR DATA COLLECTION

The following is the complete list of keywords used in the data extraction process from the Suomi24 forum:

- "public camera privacy"
- "CCTV surveillance"
- "security camera"
- "julkinen kamera yksityisyyttä"
- "kamera valvontaa"
- "public", "camera", "privacy",
- "public", "camera", "yksityisyyttä",
- "public", "camera", "yksity",
- "julkinen", "kamera", "yksityisyyttä",
- "julkinen", "kamera", "yksityisyyttä",
- "julkinen", "kamera", "yksity",
- "julkinen", "kamera", "yksity",
- "cctv", "surveill",
- "cctv", "valvontaa",
- "cctv", "valvo",
- "camera", "surveill",
- "kamera", "surveill",
- "camera", "valvontaa",
- "kamera", "valvontaa",
- "camera", "valvo",
- "kamera", "valvo",
- "security", "camera",
- "turvatoimet", "camera",
- "turvatoimet", "kamera",
- "public", "safety", "concern",
- "julkinen", "turvallisuus", "koskea",
- "julkinen", "turvallisuus", "huole",
- "public", "security", "concern",
- "julkinen", "turvatoimet", "koskea",
- "julkinen", "turvatoimet", "huole",
- "monitor", "cctv",
- "seuranta", "cctv",
- "seurant", "cctv",
- "monitor", "camera",

- "seuranta", "camera",
- "seurant", "camera",
- "monitor", "kamera",
- "seuranta", "kamera",
- "seurant", "kamera",
- "public", "footage",
- "julkinen", "kuvamateriaali",
- "camera", "footage",
- "camera", "kuvamateriaali",
- "kamera", "kuvamateriaali",
- "street", "camera",
- "katu", "camera",
- "katu", "kamera"

APPENDIX B

TEXT CLEANING CODE

The following Python code was used to preprocess the text data, including handling HTML entities, removing email addresses and URLs, and expanding contractions.

```
contraction_dict = {
    "it's": "it is", "aren't": "are not",
    "can't": "cannot", "couldn't": "could not",
    "didn't": "did not", "doesn't": "does not",
    "don't": "do not", "hadn't": "had not",
    "hasn't": "has not", "haven't": "have not",
    "he'd": "he would", "he'll": "he will",
    "he's": "he is", "I'd": "I would",
    "I'll": "I will", "should've": "should have",
    "I've": "I have", "isn't": "is not",
    "let's": "let us", "might've": "might have",
    "must've": "must have", "mustn't": "must not",
    "shan't": "shall not", "she'd": "she would",
    "she'll": "she will", "she's": "she is",
    "shouldn't": "should not", "I'm": "I am",
    "that's": "that is", "there's": "there is",
    "they'd": "they would", "they'll": "they will",
    "they're": "they are", "they've": "they have",
    "we'd": "we would", "we're":
    "we are", "we've": "we have",
    "weren't": "were not", "what'll":
    "what will", "what're": "what are",
    "what's": "what is", "what've":
    "what have", "where's": "where is",
    "who'd": "who would", "who'll":
    "who will", "who's": "who is",
    "who've": "who have", "won't":
```

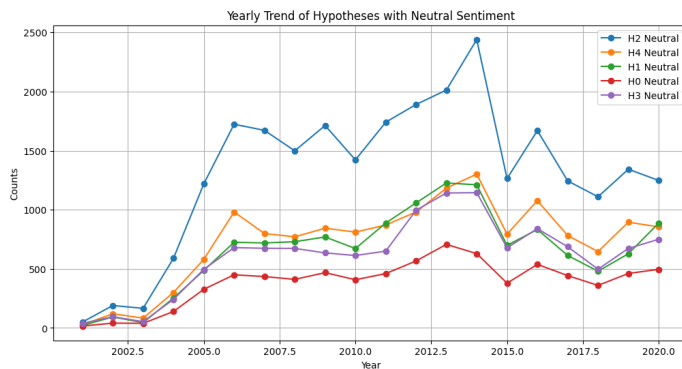



Fig. 3. Yearly Trends of Hypotheses with Neutral Sentiment



Fig. 4. Word Cloud of Positive Sentiments



Fig. 6. Word Cloud of Neutral Sentiments



Fig. 5. Word Cloud of Negative Sentiments