

Final Report - Work in Progress

- Research Hypothesis / Questions:
 - Is Formula 1 fandom Toxic?
 - Are there specific groups that show more toxic behaviour then others?
 - Is the toxicity a “self-made” problem of Formula 1?
- APIs: Youtube
 - (Not reddit as post are often off topic especially during the off season, that we are currently in)
- Methods:
 - TBD
 - Dictionary
 - * Formula 1 specific words that are toxic
 - * racism / ethnic slurs -> (“List of Ethnic Slurs,” 2023)
 - * toxicity -> (Orthrus-Lexicon, 2022)
 - * hate speech -> (Vegt et al., 2021)
 - * insults -> (Vegt et al., 2021)
 - Transformer classifier
 - * sentiment
 - * racism?
 - * misogynistic
 - * hate speech?
 - statistical analysis
 - * group toxic behavior by drivers and teams
 - * group by topics
 - topic modelling?
- Contents:
 - Introduction
 - * What is Formula 1
 - * Why do we need to analyze this
 - * introduce the three research questions / hypothesis
 - Fundamentals
 - * What is fandom
 - * Defining toxic fan behavior
 - * Youtube API
 - * Maybe explaining the used methods?
 - Concept
 - * What will be done
 - * How will i be doing it
 - Creating the Dataset
 - * Explain Dataset creation
 - Applying Method 1
 - Applying Method 2
 - Results

```
import pandas as pd
```

““

- List of ethnic slurs. (2023). In *Wikipedia*. https://en.wikipedia.org/w/index.php?title=List_of_ethnic_slurs&oldid=1132041045
- Orthrus-Lexicon. (2022). *Orthrus Toxic Dictionary implementation*. <https://github.com/Orthrus-Lexicon/Toxic>
- Vegt, I. van der, Mozes, M., Kleinberg, B., & Gill, P. (2021). The Grievance Dictionary: Understanding threatening language use. *Behavior Research Methods*, 53(5), 2105–2119. <https://doi.org/10.3758/s13428-021-01536-2>