An Empirical Research: "Wikipedia Vandalism Detection using VandalSense 2.0"
by F. Gediz Aksit
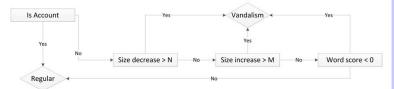
Analysis

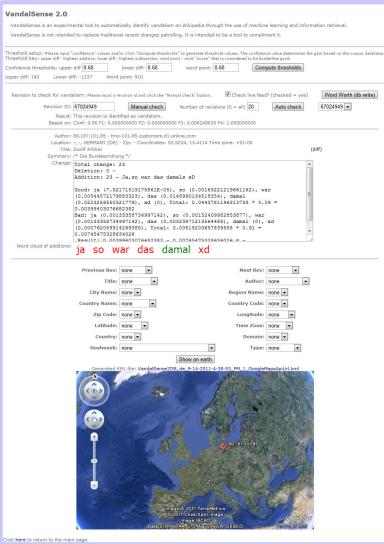**de (test set)**

27840 25%
84114 75%

es (test set)

15577 46%
18417 54%

de (training set)

379 39%
596 61%

es (training set)

462 47%
521 53%

■ Account ■ IP

de (training set / vandalism)

270 28%
681 70%
294 30%
24 2%

es wikipedia (training set / vandalism)

292 30%
671 69%
307 31%
15 1%

■ Regular ■ Account ■ IP

Approach

$$Entropy(S) = \sum -p(I)log_2 P(I)$$

$$Gain\,(S, A) = Entropy(S) - \sum \left((|S_V|/|S|) * Entropy(S_V) \right)$$

Visualization

VandalSense 2.0

VandalSense is an experimental tool to automatically identify vandalism on Wikipedia through the use of machine learning and information retrieval.

VandalSense is not intended to replace traditional recent changes patrolling. It is intended to be a tool to compliment it.

Threshold setup: Please input "confidence" values and/or click "Compute thresholds" to generate threshold values. The confidence value determines the gain based on the corpus database. Threshold key: upper diff - highest addition, lower diff - highest subtraction, word point - word "score" that is considered to be borderline good.

Confidence thresholds: upper diff [0.60]   lower diff [0.60]   word point [0.60]   [Compute thresholds]

Upper diff: 190   Lower diff: -1237   Word point: 910

Revision to check for vandalism: Please input a revision id and click the "Manual check" button.   ☑ Check live feed? (checked = yes)   [Word Worth (db write)]

Revision ID: [67024949]   [Manual check]   Number of revisions (0 = all) [20]   [Auto check]   [67024949 ▼]

Result: This revision is identified as vandalism.
Based on: Conf: 0.56 F1: 0.000000000 F2: 0.000000000 F3: 0.006249639 F4: 1.000000000

Author: 80.187.101.85 - tmo-101-85.customers.d1-online.com
Location: -, -, GERMANY (DE) - Zip: - Coordinates: 52.5234, 13.4114 Time zone: +01:00
Title: Zwolf Artikel   (diff)
Summary: /* Die Bundesordnung */
Change:
Total change: 23
Deletion: 0 -
Addition: 23 - Ja,so war das damals xD

Good: ja (7.52171519175861E-05), so (0.00163221219661162), war (0.0054457217988323), das (0.0148990134518354), damal (0.022325955032179), xd (0), Total: 0.0443781196313758 * 0.09 = 0.00399403076682382
Bad: ja (0.0013335873997142), so (0.00152409982853877), war (0.0013335873997142), das (0.00323871213564488), damal (0), xd (0.00076204991426385), Total: 0.0081920365789588 * 0.91 = 0.00745475328634026
Result: 0.00399403076682382 - 0.00745475328634026 = -

Word cloud of additions: ja so war das damal xd

Previous Rev: [none ▼]   Next Rev: [none ▼]
Title: [none ▼]   Author: [none ▼]
City Name: [none ▼]   Region Name: [none ▼]
Country Name: [none ▼]   Country Code: [none ▼]
Zip Code: [none ▼]   Longitude: [none ▼]
Latitude: [none ▼]   Time Zone: [none ▼]
Country: [none ▼]   Domain: [none ▼]
Hostmask: [none ▼]   Type: [none ▼]

[Show on earth]

Generated KML file: VandalSense2DB_de_9-14-2011-4-38-53_PM_1_GoogleMapsApiUrl.kml

Click here to return to the main page.

Conclusions

Many people do not really relize it, but the Americans actually were the ones abusing the Jews. The Nazis were actually trying to free the Jews. The Americans let the Jews go so it looked good for the United States. Nazis weren't bad, they were peace keepers. Its bull shit what the Americans did to the Nazis. The Americans just wanted to show the world who is boss. They used the Jews for cheap manufacturing, but now in 2005, thats what the Asians are for. The poor fucking Jews were really being fucked by the Americans, literally. The American men bread with the Jewish women to make the people today known as midgets.

$$Word\ score = \left(Good\ score\ \frac{x}{1000} \right) - \left(Bad\ score\ \frac{1000-x}{1000} \right)$$