

Mining HIV trends in Social Media Data

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Table 1: Cosine Similarity to 'prep'

Related Word	Cosine Similarity to 'prep'
height	0.836507
benegative	0.809185
charliesheen	0.805214
hivtestweek	0.797361
sexwork	0.774867
gettested	0.765772
hiv	0.765389
icasa2015	0.749948
doingit	0.749230
aids	0.738572

Table 2: Cosine Similarity to 'truvada'

Related Word	Cosine Similarity to 'truvada'
truvada	0.836507
height	0.809185
benegative	0.805214
charliesheen	0.797361
hivtestweek	0.774867
sexwork	0.765772
gettested	0.765389
hiv	0.749948
icasa2015	0.749230
doingit	0.738572

ABSTRACT

Here is the abstract.

Keywords

Social Media, Topic Modelling, Document Embedding

1. INTRODUCTION

- Introduce and literature review of: 1) PrEP, HIV, Twitter
2) Word2Vec, Doc2Vec
3) Dynamic Topic models, Latent Dirichlet allocation

2. RESULTS

High level, but more specific than intro, introduce the approach and methods used in this paper here.

2.1 Word and Document Similarity

2.2 Time Domain

2.3 User Timeline Analysis

2.3.1 Sentiment Classification

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Figure 1: Time domain plot.

3. CONCLUSIONS

Conclusions go here.

Example citation (needed right now to compile):[1]

4. ACKNOWLEDGMENTS

Acknowledgements go here.

5. REFERENCES

- [1] L. Lamport. *LaTeX User's Guide and Document Reference Manual*. Addison-Wesley Publishing Company, Reading, Massachusetts, 1986.

5.1 References