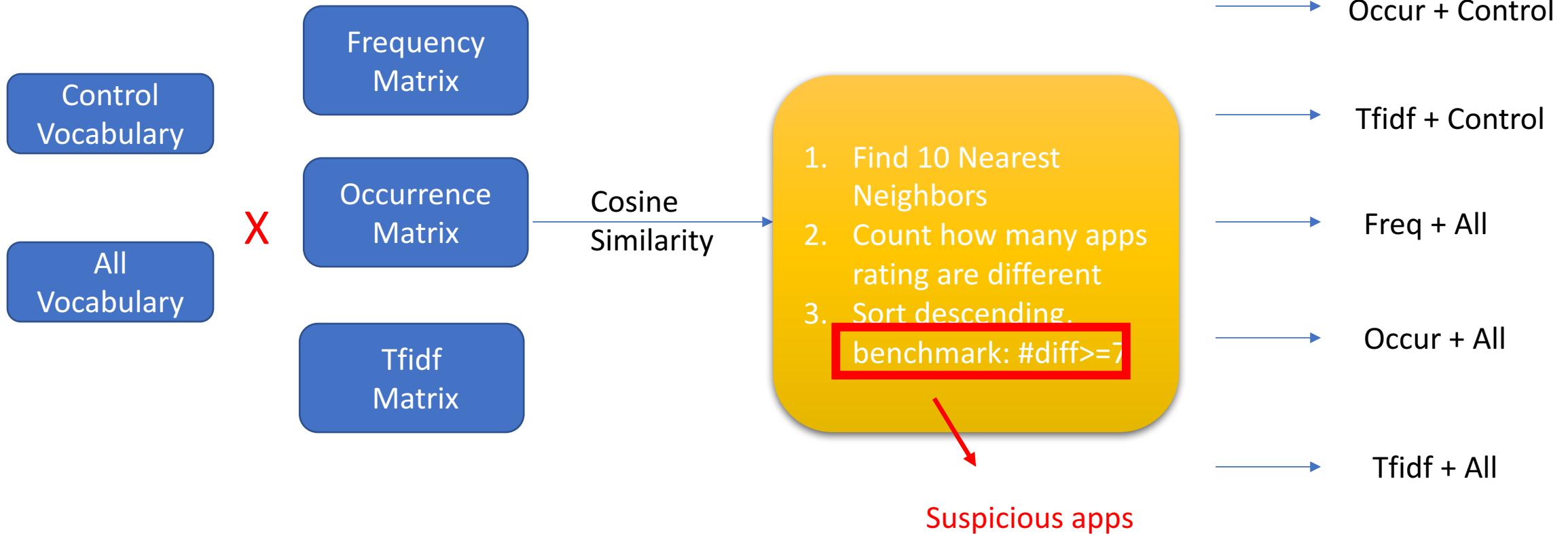


Mobile Safety Project

Android

March 30. 2017

Similarity Steps





Jungle Lion Hunting Sniper 3D

Best apps 2017 Action

Teen

Contains ads

⚠ You don't have any devices

Teen



Lion Hunting 3D

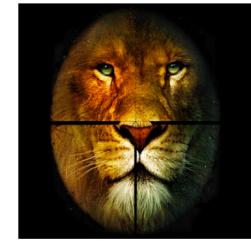
Seena Technocratics Action

Teen

Contains ads · Offers in-app purchases

⚠ You don't have any devices

Teen



Jungle Lion Hunting 2015

CryGameStudio Action

Teen

Contains ads

⚠ You don't have any devices

Teen

Add to Wishlist



True Lion Hunter

Hunt The Hunter Action

Everyone 10+

Contains ads · Offers in-app purchases
⚠ You don't have any devices

Everyone 10+

Angry Lion Hunting Challenge

SoloTech Action

Everyone

Contains ads

⚠ You don't have any devices

Add to Wishlist

kill them or be killed



Wild Lion Hunting-2017

Game Town Studio Action

Teen

Contains ads · Offers in-app purchases
⚠ You don't have any devices

Teen

Add to Wishlist



Lion Sniper Hunter 3D

Game Canvas Action

Teen

Contains ads

⚠ You don't have any devices

Teen

Add to V



Lion Hunting Challenge 3D

BOSPHORUS APPS & GAMES Action

Teen

Contains ads

⚠ You don't have any devices

Teen

Add to Wishlist



LION HUNTING: MASSACRE

Ladik Apps & Games Adventure

Teen

Contains ads

⚠ You don't have any devices

Teen

Add to Wishlist

Performance

Result_alltoken.xlsx

Number of different apps within 10 nearest neighbors ≥ 7

Only look at 'Everyone' level

	Freq + Control	Occur + Control	Tfidf + Control	Freq + All	Occur + All	Tfidf + All
Suspicious Apps Count	182	116	190	323	270	321
False Positive	39	19	71	70	115	76
FP%	21.4%	16.4%	37.3%	21.6%	42.5%	23.6%



False Positive: algorithm detect as suspicious app, but it actually should belong to 'Everyone' level.

Improvement

- Control vocabulary: strong list * 2
- In neighbors: ‘Maturity 17+’ *4, ‘Teen’ *3, ‘Everyone 10+’ *2

- CACM magazine: 3000 words
 - Title: Is an ‘Everyone’ app really save for your kids?
-
- To-Dos:
 1. Different threshold :
 - # of suspicious app
 - % of suspicious app
 2. Matching algorithm
 3. 3 algorithm -> Probability
 4. Suspicious app list-> Mturk