

Project InSiN

Final Presentation

Group-3

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Agenda

1. Achievements
2. Behind the scenes
3. Test results
4. Future work



Achievements

- Input-data preprocessing -> 01.06
- Feature vector generation -> 08.06
- Feature demension reduction -> 08.06
- Clustering -> 15.06



Achievements

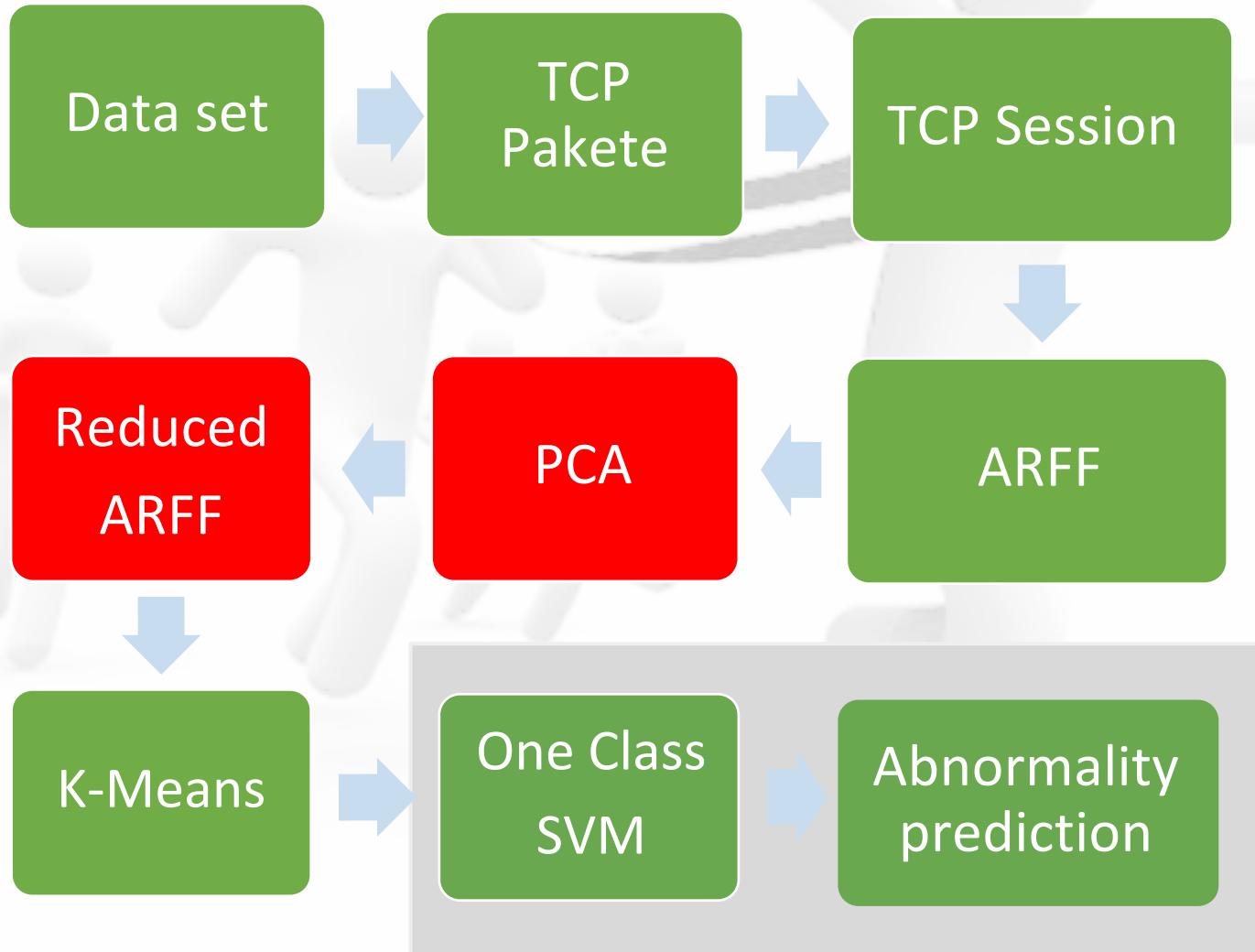
- SVM -> 22.06 -> 04.07
- Tests -> 04.07 -> 07.07
- YamlConfig -> 11.07



Achievements

- Problems
 - PCA
 - SVM

Achievements

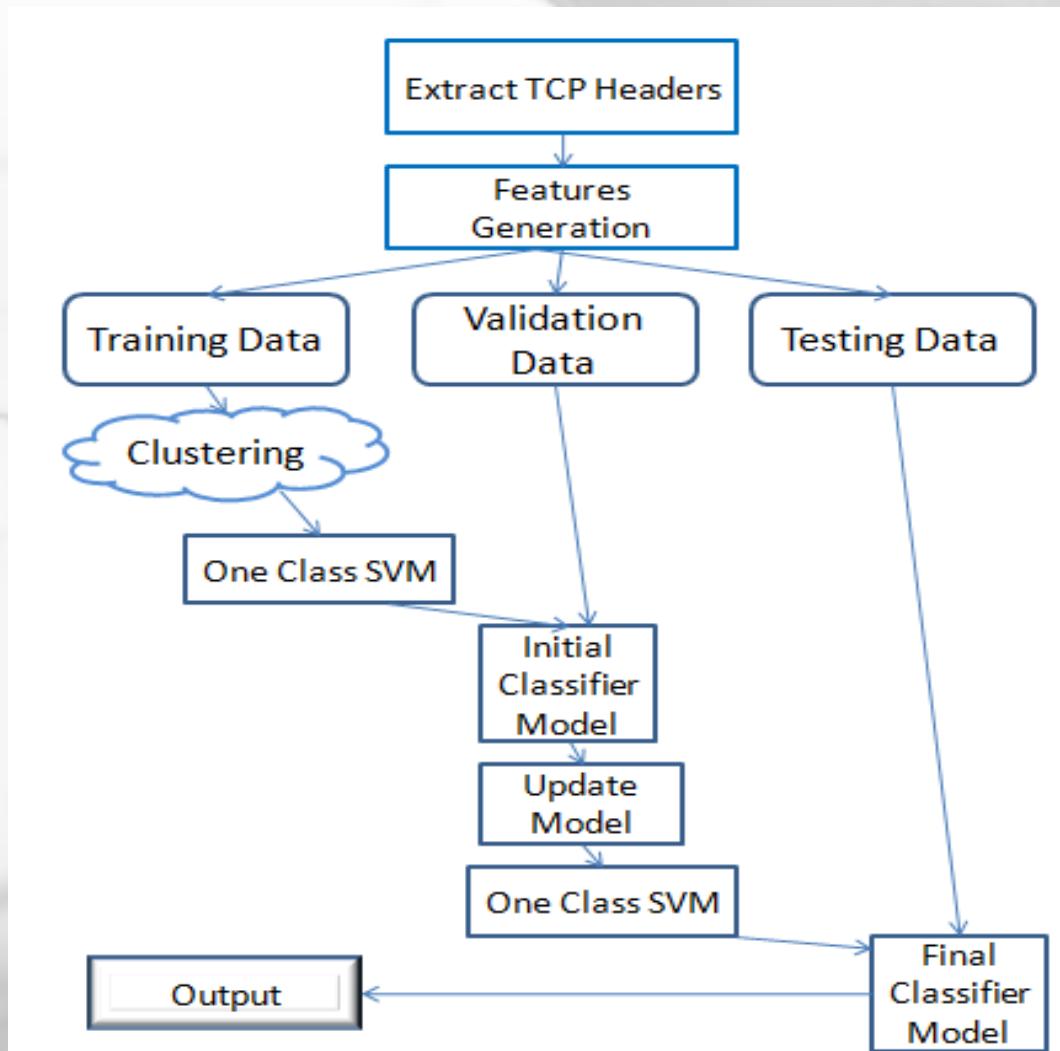


Agenda

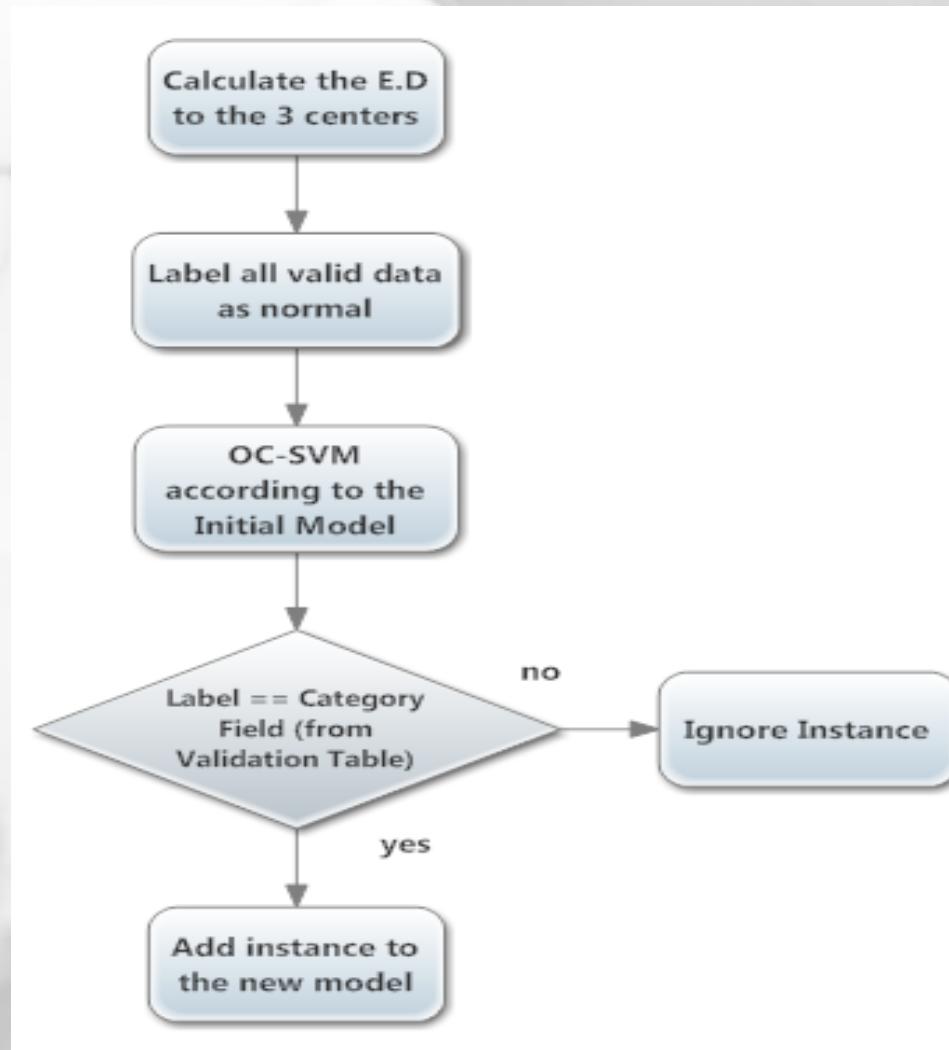
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Behind the Scenes



Behind the Scenes



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Results

Our Results: ?
Accuracy = ?
Recall = ?

Paper Results: 8,17% FP
Accuracy = 0,9185
Recall = 1

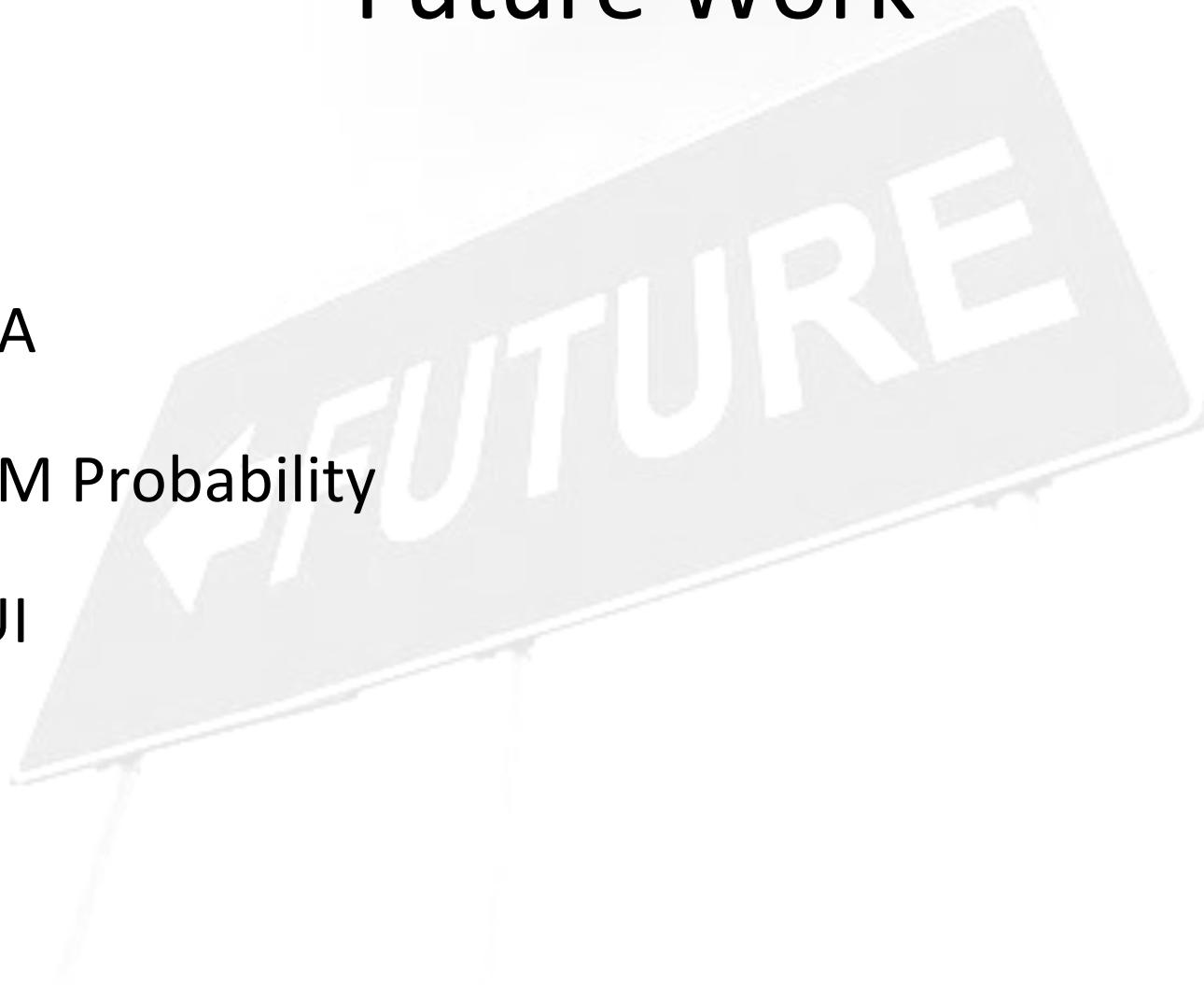
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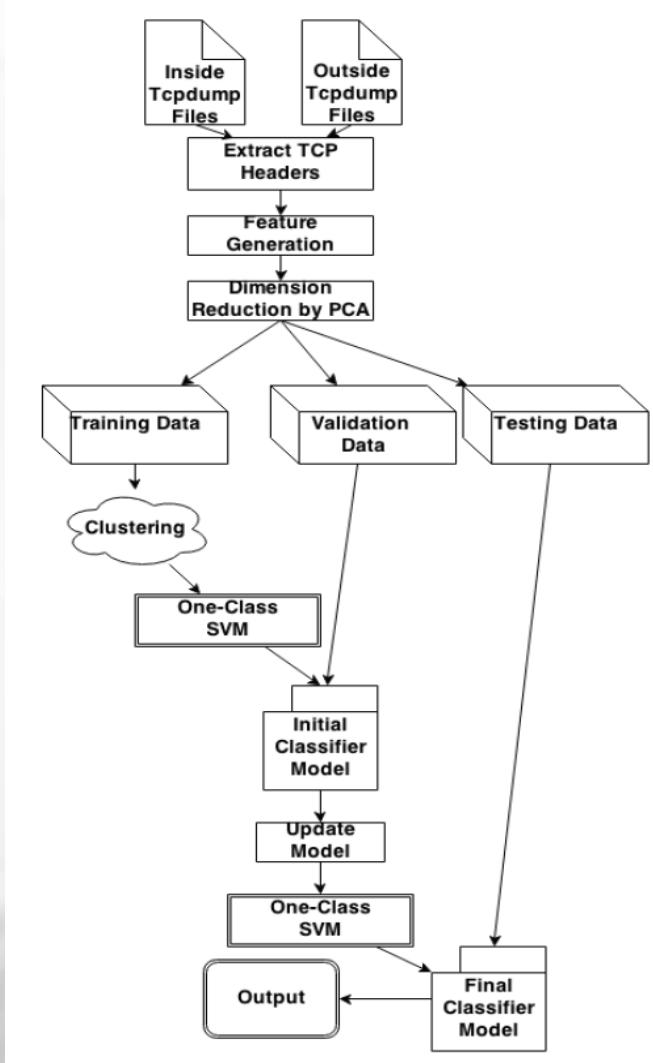


Future Work

- PCA
- SVM Probability
- GUI



Backup Slide



Labeling

UPDATE TCP_51_in

SET category =1

where srcIP = '202.77.162.213' and destIP='172.16.112.50'

and packetime between '1999-04-05 08:39:52' and '1999-04-05 08:40:02'

Result Sample Statistik

False Negatives: 0

True Positives: 0

Precision: 0.0

True Negatives: 1057

False Positives: 251

Recall: NaN

Number of detected attacks: 251

Result Sample Report

score: N/A

additionalPackets: []

extra:

attackerIP: /172.16.114.50

victimIP: /172.16.112.100

victimPort: '2972'

attackerPort: '80'

name: Anomaly

description: An anomaly was detected!

packet: '1999-03-15 14:01:13.500667'

group: Group3