

MSc thesis defense presentation

Αγαμέμνων Γιαννακόπουλος

defends his MSc thesis

Date: Τρίτη, 28 Φεβ 2017

Ώρα: 16:00

Σχολή Ηλεκτρολόγων

Μηχανικών και

Μηχανικών

Location:

Υπολογιστών, ΕΜΠ

(παλαιό κτίριο),

1.1.31

[Learning Poisson](#)

Thesis title:

[Binomial Distributions](#)

[with Differential Privacy](#)

- [Δημήτρης](#)

[Φωτιάκης](#)

Committee:

- [Αριστείδης](#)

[Παγουρτζής](#)

- [Ευσταθίου Ζήχος](#)

Thesis abstract

This thesis tries to leverage two major research areas. The first area concerns the Distribution Learning Theory and the second the Differential Privacy. More specific, given a highly efficient algorithm which learns with ϵ -accuracy a Poisson Binomial Distribution we try to study its Differential Privacy property. We show that the Algorithm achieves Differential Privacy under specific circumstances (regarding PBD nature). If the PBD close to a (n,k) -Binomial form the algorithm is Differential Privacy. If the PBD is close to a k -sparse form algorithm's privacy depends on PBD cardinality.

Download date: 2024-04-25, 10:15.