**FUNDAMENTAL CONCEPTS OF DATA SECURITY LEC 01**

Mon workshop - finish at 8ish!

Make up lecture on 20th April – And workshop

**Data Security**

Data is information, protecting this and mitigating risks is the understanding of data security. Finding balance in confidentiality, integrity and availability is essential to find a balanced and worthwhile solution for securing data.

**Information Systems**

* Data – database records, files, documents
* Software – operating systems, applications
* Hardware – Sever, USP
* Network – cables, routers, wifi
* People/Users – admins, normal users
* Procedures – policies, continuity plans, incident response

**Data Breach**

An event in which information (especially personal) is potentially put at risk. Three main causes are malicious or criminal attack, system glitch or human error.

Had an average of 3.92 milion USD per data breach with healthare being the greatest target for these data breaches.s