Anna Pascual



1990 -1998:

PhD Student at IFAE ALEPH Experiment UAB assistant professor



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UAB assistant professor

➤ 1998-Today: Project Manager Healthcare Division Corporació Sanitària Parc Taulí



Hospital Parc Taulí

- Large and complex organization
- More tan 3.000 professionals: 800 doctors / 900 nurses / 1.000 nursing assistants / 800 beds
- One-day activity:
 - 380 emergency visits
 - 3.000 outpatien visits
 - 150 surgeries
- Hospital works 24 hours/day X 365 days/year!



Why does a Hospital need a Physics Dr ??

- Guess: Neural Nets (NN) could be used to help optimizing clinical diagnosis and clinical protocols

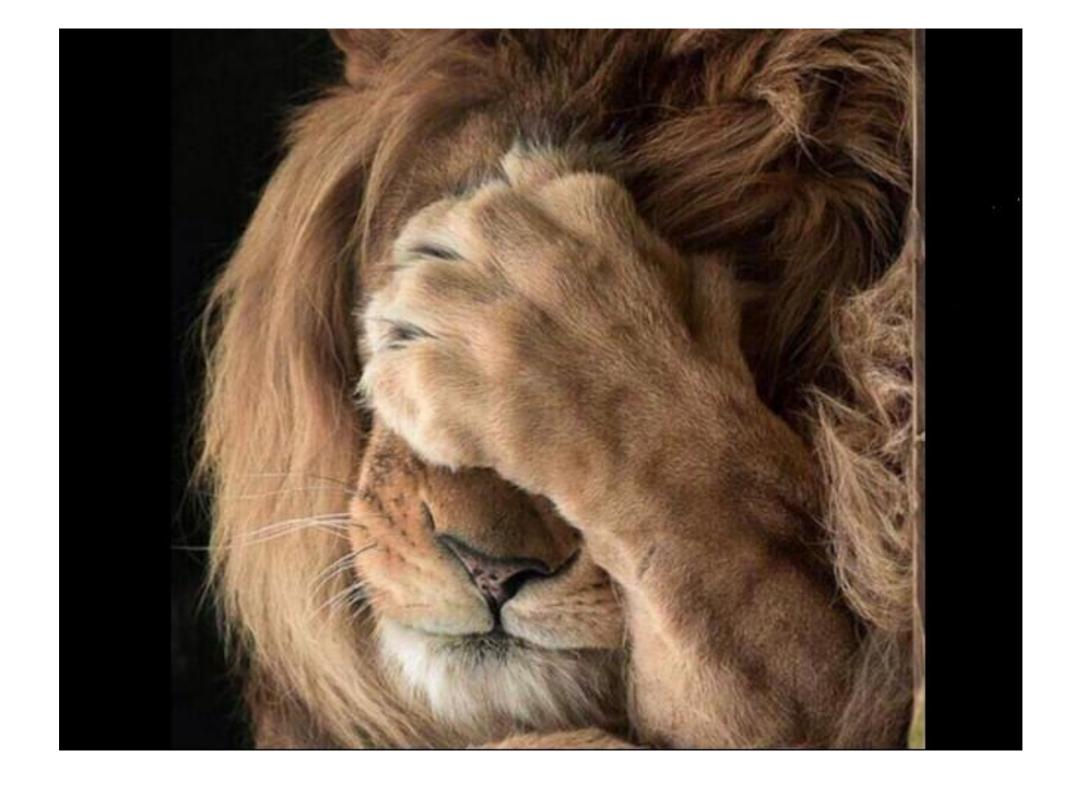


Why does a Hospital need a Physics Dr ??

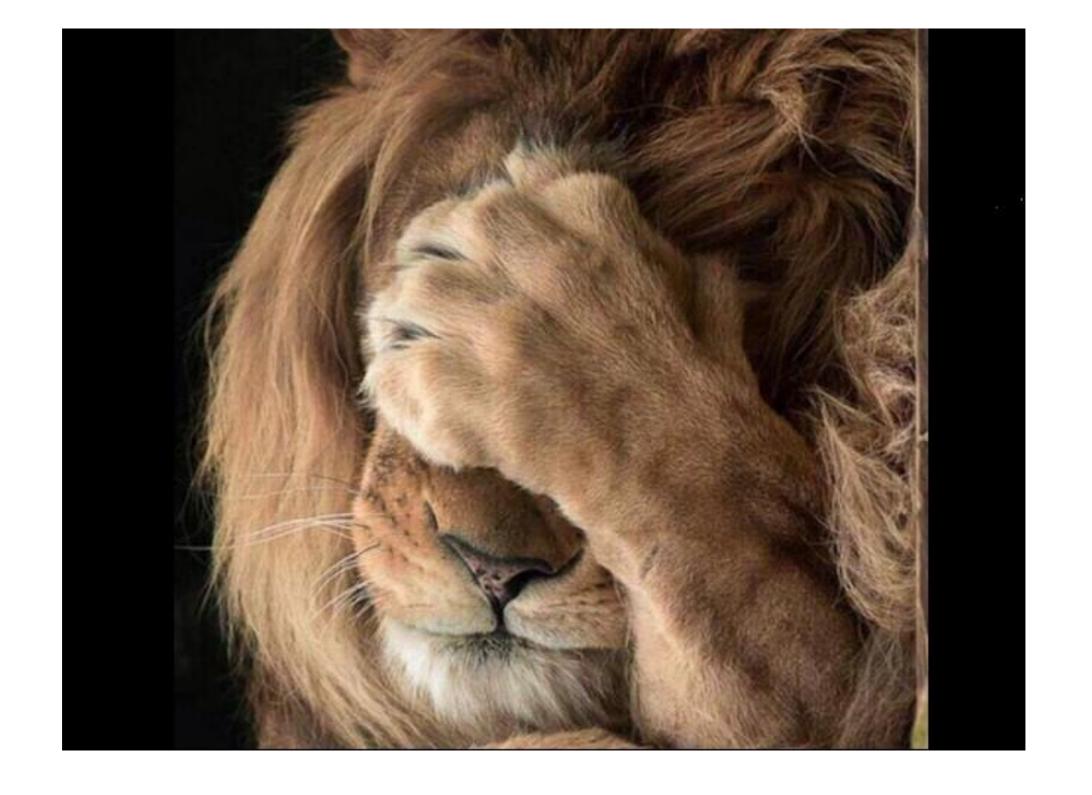
- Guess: Neural Nets (NN) could be used to help optimizing clinical diagnosis and clinical protocols
 - "Small" PROBLEM: 1998 ALL patient clinical data records were recorded in PAPER !!!!

There were NO electronic medical records of patients!









GOAL:

Replace Paper Clinical Records -> Electronic Clinical Records in all hospital areas

Institut de Física d'Altes Energies

I learned at IFAE

I am using in the Hospital

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To find the "key questions" and develop <u>critical thinking</u> in order to <u>solve complex problems</u> in a <u>creative</u> and optimal way

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- Modeling healthcare processes and integrations to replace paper circuits by electronical ones
- -Being competent in analyzing & establishing priorities in tasks

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To work in large collaborations in a coordinate, efficient and rigorous way to achieve a common goal

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Specify functional requirements of a new information systems. Deploy them...

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FMI: Future of jobs - 2020

Skills: 1,2,3

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Global Challenge Insight Report

The Future of Jobs

Employment, Skills and Workforce Strategy for the Fourth Industrial Revolution

January 2016









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IFAE: you are aligned with the future !!!



IFAE 25th Anniversary Celebration

IFAE

Martine Bosman

Anna Pascual

Congratulations Everyone @IFAE !!

BEST WISHES for the following 25 years !!!!!

