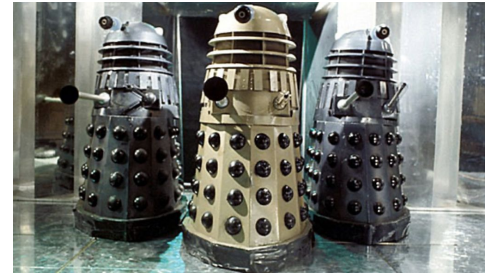


Automated Decision Making

How do we govern AI and machine learning?



How are you feeling today?

- Machines can speed up cancer diagnosis
- Machine learning can speed up vaccine model scenarios
- Drones can deliver your groceries



How safe do you feel?

- Machines can read your number plate
- Machines aren't prejudiced but they probably can't spot a fake at 50 yards



What do you know about Machine Learning?

1. Machines can see
2. Machines can read
3. Machines can listen
4. Machines can talk (well kind of)
5. Machines can write



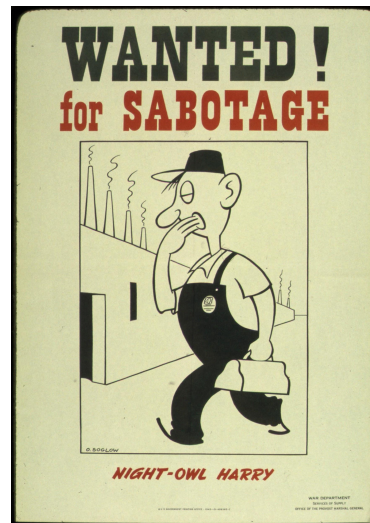
So where do we encounter artificial intelligence?



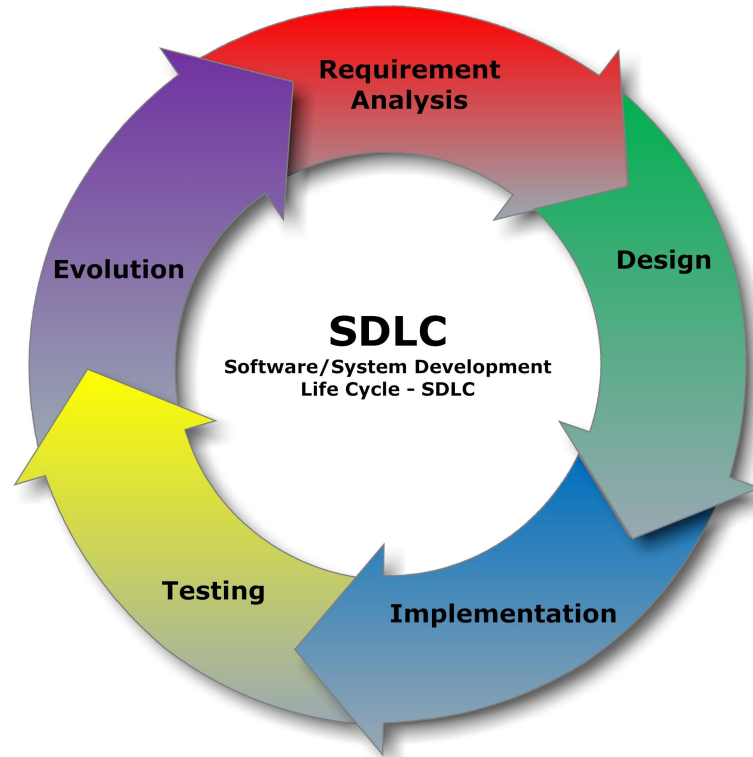
- ☐ Recruitment bots
- ☐ Credit applications
- ☐ Breaking news stories

What are the risks related to Artificial Intelligence?

- Computer says no and you don't know why
- Job applications down an empty cavernous pit
- The poor stay poor and the rich keeping getting richer



Let's start again



Who takes responsibility to design?

- Company Director(s)
- Business Managers
- Project Managers
- Business Analyst
- Data Modeller
- Data Analyst
- Subject Matter Expert
- Developer(s)
- Testers
- Data Collection
- Marketing Team

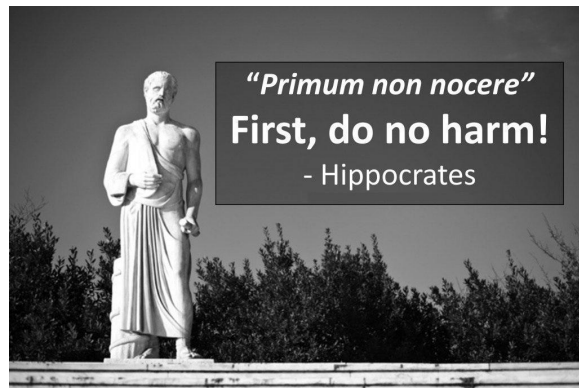
Other issues not always tied to one group

- The software says no, functionality over price
- Is there a big conspiracy?
- Some are more equal than others...



So what can we do about it?

- ❖ The rise of data ethics, do your best
- ❖ Influence and assign responsibility
- ❖ Open dialogue on social media / promote ethical behaviours / lead discussion
- ❖ Honesty is such a lonely word but mostly what I need from you...



Conclusion or Confusion

- Machine learning can speed arduous and time consuming tasks up to make important decisions
- These can greatly benefit people, efficiency and progress
- There is often a lack of transparency about who is accountable for the decision taken by the machine
- Artificial Intelligence can still be governed by those that seek to administer power and influence
- We all have a personal responsibility to hold IT professionals up to a higher standard

Any Questions?

