Security vs Privacy (in airports)

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Problem definition

- The dilemma:
  - Security vs privacy (in airports)?
  - How much of your privacy are you willing to sacrifice in the fight against terrorism?

- Problem owner:
  - Politicians / committee that will propose the new rules
Heteronomy

• Reflexes or emotional reactions
  • People will accept everything eventually
  • We are going to have a lot of reaction in the airports
  • If there is a scandal who is going to pay the cost

• Dogmatic and uncritical thoughts
  • Security is everything … !
  • Privacy is the most important thing … !
Autonomy

• **Valid, relevant values, interests etc.**
  - Individuals (passengers): safety / privacy
  - Politicians: career
  - 3rd parties (involved): direct / indirect benefits

• **Possible actions and values**
  - Automated scanning
  - People scanning
  - Hybrid (automated & human assisted).
  - Random / selective scanning
## Autonomous thinking

<table>
<thead>
<tr>
<th>Automated</th>
<th>Safety</th>
<th>Privacy</th>
<th>Passenger Reactions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Low cost, High Efficiency</td>
<td>No human directly involved</td>
<td>No human error</td>
</tr>
<tr>
<td></td>
<td>System can be compromised</td>
<td>Information is stored</td>
<td>Security is not sufficient</td>
</tr>
<tr>
<td>Human Scanning</td>
<td>Reliable</td>
<td>Information is volatile</td>
<td>Approval</td>
</tr>
<tr>
<td></td>
<td>Human factor</td>
<td>Immediate privacy violation</td>
<td>Annoyed</td>
</tr>
<tr>
<td>Hybrid</td>
<td>Most Reliable</td>
<td>--</td>
<td>Less Approval</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>Information is stored and privacy violation is immed.</td>
<td>More Annoyed</td>
</tr>
</tbody>
</table>
## Autonomous thinking

<table>
<thead>
<tr>
<th></th>
<th>Political cost</th>
<th>Efficiency</th>
<th>Direct / Indirect benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Automated</strong></td>
<td>Satisfied people will vote</td>
<td>It can be optimal but requires passengers ...</td>
<td>Tax-free money from 3rd parties 3rd parties benefit</td>
</tr>
<tr>
<td></td>
<td>Might not be re-elected if it fails</td>
<td>Delays, System Crashes</td>
<td>Scandal</td>
</tr>
<tr>
<td><strong>Human Scanning</strong></td>
<td>More jobs</td>
<td>More user friendly</td>
<td>No 3rd party involved</td>
</tr>
<tr>
<td></td>
<td>More expensive long term</td>
<td>Slower</td>
<td>Who select the employees</td>
</tr>
<tr>
<td><strong>Hybrid</strong></td>
<td>More jobs + industry involve</td>
<td>Higher Efficiency</td>
<td>Companies / politicians / people</td>
</tr>
<tr>
<td></td>
<td>Many de-satisfied people</td>
<td>--</td>
<td>Scandal</td>
</tr>
</tbody>
</table>
Time for the decision

- Keep it simple (simplify / filter)
  - It grows quadratically

- Ethical dilemma
  - Safety => people can get killed
  - Privacy => people get annoyed
Questions?

Thank you for your attention