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- Privacy and Compliance
- Data Governance
- Artificial Intelligence
- Legal Frameworks around AI
- Data Ethics
- Ethics in AI
- Practical Implications
Privacy and Compliance

- Privacy has a complex regulatory landscape
  - Fragmented jurisdictionally

- Compliance requires specific kinds of actions
  - Privacy policies
  - WISPS
  - Data breach notification obligations
  - Contractual obligations
  - Adherence to industry standards
  - Employee training
Data governance models incorporate compliance actions but take a step beyond.

- Focused on holistic risk.
- Integrated into the overall management of the organization.
- May incorporate data management beyond privacy-related questions.
Artificial Intelligence

What is Artificial Intelligence?

- What is Artificial Intelligence?
- How is this different from “machine learning”?
- What is an algorithm?
- What is machine learning?

- What is deep learning?
- What are neural networks?
- How do companies currently use AI?
### Legal Frameworks around AI

<table>
<thead>
<tr>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>March: Pan-Canadian AI Strategy</td>
<td>March: AI Technology Strategy</td>
</tr>
<tr>
<td>May: AI Singapore Announcement</td>
<td>July: Next Generation AI Plan</td>
</tr>
<tr>
<td>October: AI Strategy 2031</td>
<td>December: Three-Year Action Plan</td>
</tr>
<tr>
<td>December: Finland’s AI Strategy</td>
<td>December: Blockchain and AI Task Force</td>
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<tr>
<td>January: Budget for AI Taiwan</td>
<td>January: Strategy for Digital Growth</td>
</tr>
<tr>
<td>March: AI at the Service of Citizens</td>
<td>March: France’s AI Strategy</td>
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<tr>
<td>April: First Workshop for Strategy</td>
<td>April: Communication on AI</td>
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<tr>
<td>April: UK AI Sector Deal</td>
<td>May: White House Summit on AI</td>
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<tr>
<td>May: Sweden’s AI Strategy</td>
<td>May: Australian Budget</td>
</tr>
<tr>
<td>June: Towards an AI Strategy in Mexico</td>
<td>Fall 2018: EU’s AI Strategy</td>
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</tbody>
</table>

- **Current legal frameworks around AI are spare.**
- **Patterns emerge in the types of legal frameworks for AI.**
- **Some regulators are taking significant efforts to regulate AI.**
  - 50 countries had national AI strategies by 2020.
  - EU is the leader in this effort.
- **Some basic common principles around regulating AI include fairness, safety, transparency, and accountability.**
Data Ethics

- What are “data ethics”?
- Are there legal structures around data ethics?
- Why should organizations be concerned about data ethics at all?
## Comparing the Three Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Question</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance</td>
<td>What does the law require?</td>
<td>Legally compliant policy.</td>
</tr>
<tr>
<td>Governance</td>
<td>How can we manage our risks?</td>
<td>Comprehensive risk management policies and protocols</td>
</tr>
<tr>
<td>Ethics</td>
<td>What do we owe individuals?</td>
<td>Policies and protocols that reflect and communicate organizational values.</td>
</tr>
</tbody>
</table>
What are the ethical implications of AI use?
Why does this matter for organizations?
Practical Implications

- Compliance, Governance, and Ethics provide different models.
- Governance and ethics models are “future proofing” models.
- AI presents significant uncertainty regarding regulation and liability.
- Ethics around privacy and AI are increasing in salience.
- Practical implications for businesses can be severe.
Writing and Thought Leadership

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