ÍNDICE / TEMAS

1. Legal Framework
2. Ethics and standards of conduct
3. Data Ethics from a governance perspective
4. Data Science & Data Ethics
Legal Framework
The Laws

• The Law of National System of Statistical and Geographical Information
• The Federal Law of Protection of Personal Data
• The Federal Law of Access of Public Information.
Ethics and standards of conduct
Ethics Committee

The objectives of this committee are:
• Promote strategies to implement the institutional integrity program.
• Approve policies to improve ethical behavior.
• Encourage an institutional culture to favor ethical behavior.
• Advice concerning the application of the Code of Ethics of the institute.
The Code of Ethics is based on conduct standards such as:

- Accountability
- Commitment
- Confidentiality
- Cooperation
- Efficiency
- Equality
- Good use of information
- Honesty
- Independence
- Learning
- Legality
- Objectivity
- Professionalism
- Quality
- Respect
- Responsibility
- Transparency
The Code of Ethics is based on conduct standards such as:

- Accountability
- Commitment
- Confidentiality
- Cooperation
- Efficiency
- Equality
- Good use of information
- Honesty
- Independence
- Learning
- Legality
- Objectivity
- Professionalism
- Quality
- Respect
- Responsibility
- Transparency
Data Ethics from a governance perspective
Organizational Structure for Data Governance

Integration of Information

- Quality assurance
- Interoperability
- Security & Confidentiality
- Architecture
Data Ethics & Data Science
Data Science for Data Ethics

Apply Data Science methods and techniques to...
- Facilitate the evaluation of data quality.
- Integrate alternative data sources with official ones.
- Identify potential risk of lost of confidentiality.
- Deliver synthetic data products.
Technological framework for Data Secure operations in experimental data science applications
Data Lake use cases
Synthetic Data Generators

Original Data Sources

Generative Adversarial Networks Algorithms

Secure Data Set
Thank you!