

A blue-tinted image of a robotic hand reaching down towards a glowing digital data stream. The hand is composed of various mechanical parts and joints, with a metallic sheen. The data stream below it consists of numerous small, glowing points and lines, creating a sense of depth and movement. The overall atmosphere is futuristic and technological.

# Data Quality in AI Era

Innovations, Impacts, and Insights

01

## The Shoes Story

Data Quality can make or break a family!



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## The Shoes Story

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02

## Data Quality

Importance & Challenges



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## AI in Data Quality Management

Introduction and the role of AI in DQM





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Ethical Considerations and Future Directions



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## Q&A

What questions do you have





Tells it all

# Shoes Story











# Order



NAME

006 9 03E

A color selection palette consisting of two rows of colored circles. The top row has five circles: dark grey, pink, yellow, orange, and light blue. The bottom row has six circles: pink, light pink, orange, white, light blue, and grey.

# ORDER CONFIRMATION...

KONTAKON

Custer Name

Sodre. **LIVE**

SRME

**DANSING ME 3%**



Naeo: Βιετικουπιι    cone:    S8:OS:    EMAR

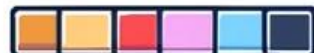
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**ALT IER 10/**

**TOMRD YO!!**

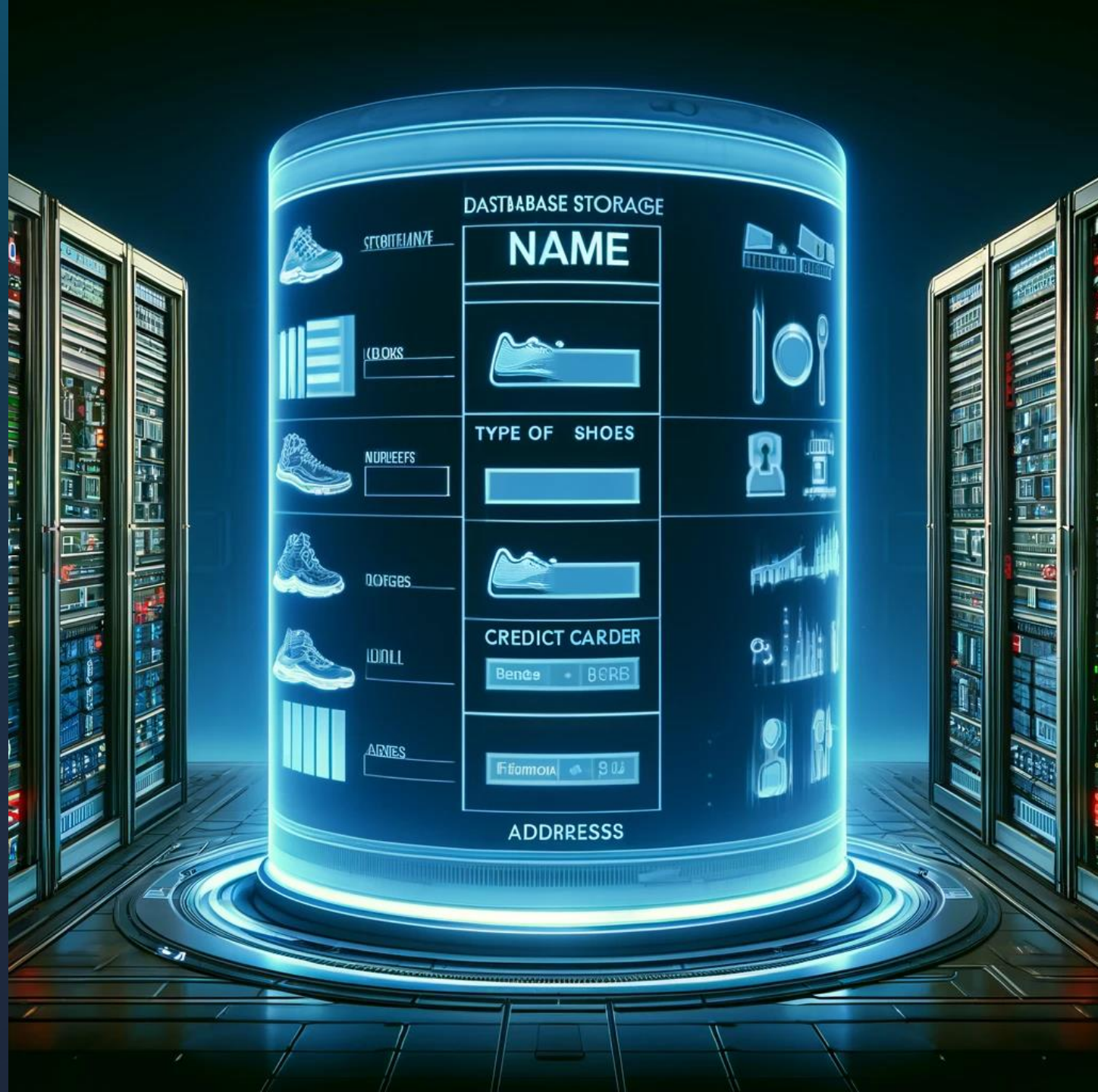
D2.AUDOTC D818IE:



YouJoleey aavers  
cuoecotiei seyekcm.

**THANK YOU**





DATA BASE STORAGE

SECURITIZANZE



NAME



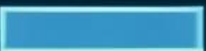
BOOKS



NUMBERS



TYPE OF SHOES



LOGOS



WALL



CREDIT CARDER

Benice + BCRB



AGNES



Fiammia + SUI



ADDRESSS

**So far,  
so good**





Delivery  
company





Delivered to  
the wrong  
address





# Heated Discussion





# Data Quality Check





Finally !



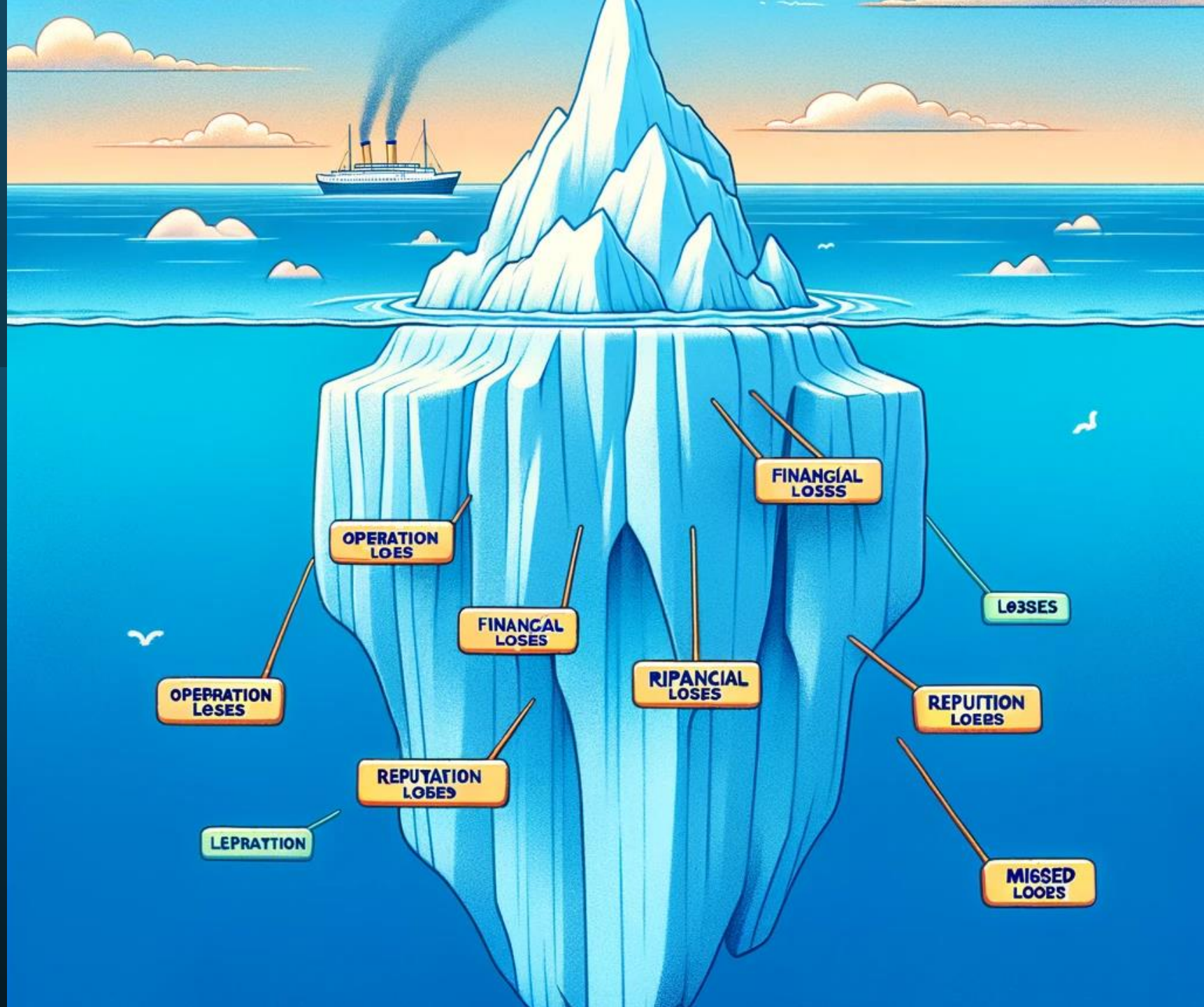


But also..!





# Importance of data quality



# Challenges in Traditional DQ Management

Volume

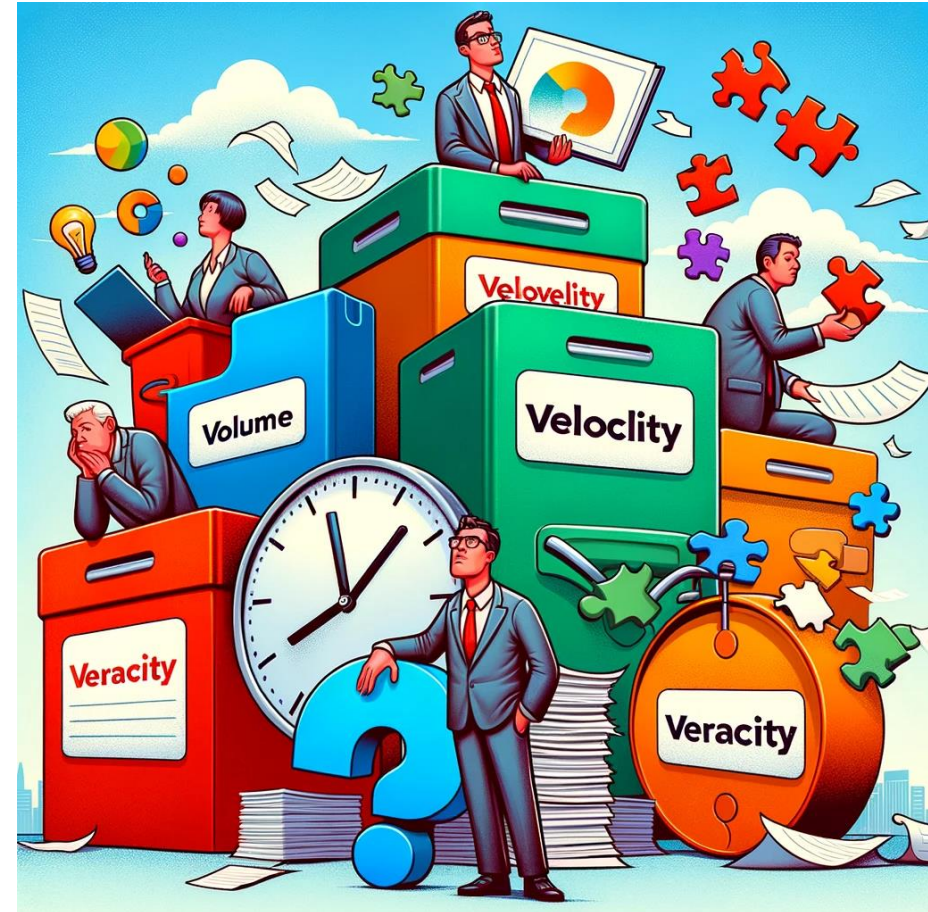




# Challenges in Traditional DQ Management

Volume

Velocity



# Challenges in Traditional DQ Management

Volume

Velocity

Variety





# Challenges in Traditional DQ Management

Volume

Velocity

Variety

Manual Efforts



Questions!

Check





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## AI in DQ Management

What possibilities open up when artificial intelligence not only interprets our data but anticipates our needs before we even identify them?



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## AI in DQ – Game Changer

- **AI at Work**
- **Precision and Efficiency**
- **Transformative Impact**





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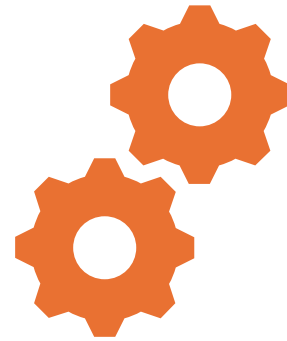
## AI in DQ – Game Changer

- **Scalable AI Solutions**
- **Growth Management**
- **Efficient and Accurate**



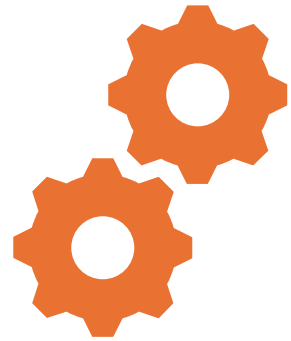


# The Role of AI in Data Quality Management

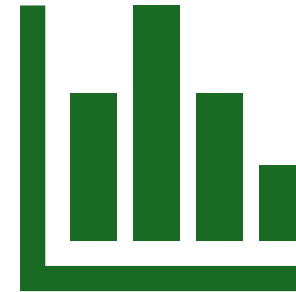


**Automating Data Cleansing and  
Preparation**

# The Role of AI in Data Quality Management



**Automating Data Cleansing and  
Preparation**



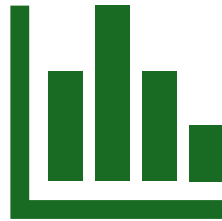
**Enhancing Data Validation and  
Enrichment**



# The Role of AI in Data Quality Management



**Automating Data  
Cleansing and Preparation**



**Enhancing Data Validation  
and Enrichment**



**Real-time Data Quality  
Monitoring**

# Automating Data Cleansing and Preparation



**Intelligent  
Automation**



**Error Correction and  
Standardization**



**Efficiency and  
Accuracy**



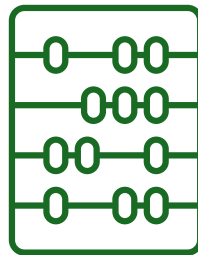
**Focus on Strategic  
Tasks**



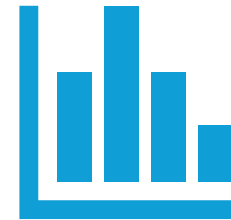
# Enhancing Data Validation and Enrichment



**Advanced Scanning**

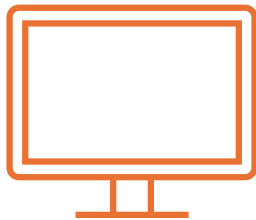


**Gap Filling**



**Data Enrichment**

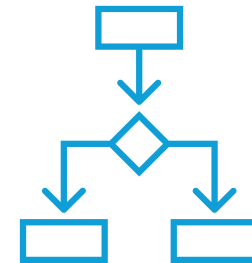
# Real-time Data Quality Monitoring with AI



**Continuous Monitoring**



**Immediate Correction**



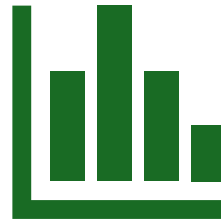
**Enhanced Decision Making**



# The Role of AI in Data Quality Management



**Automating Data  
Cleansing and Preparation**



**Enhancing Data Validation  
and Enrichment**



**Real-time Data Quality  
Monitoring**

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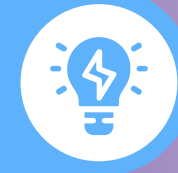
Importance & Challenges



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# Ethical Considerations and Future Directions

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## Ethical Considerations

- **Bias in AI Algorithms**
- **Privacy Concerns**
- **Transparency**





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# The Future of DQM with AI

- Predictive DQM
- Regulatory Compliance
- Integrated AI Infrastructure

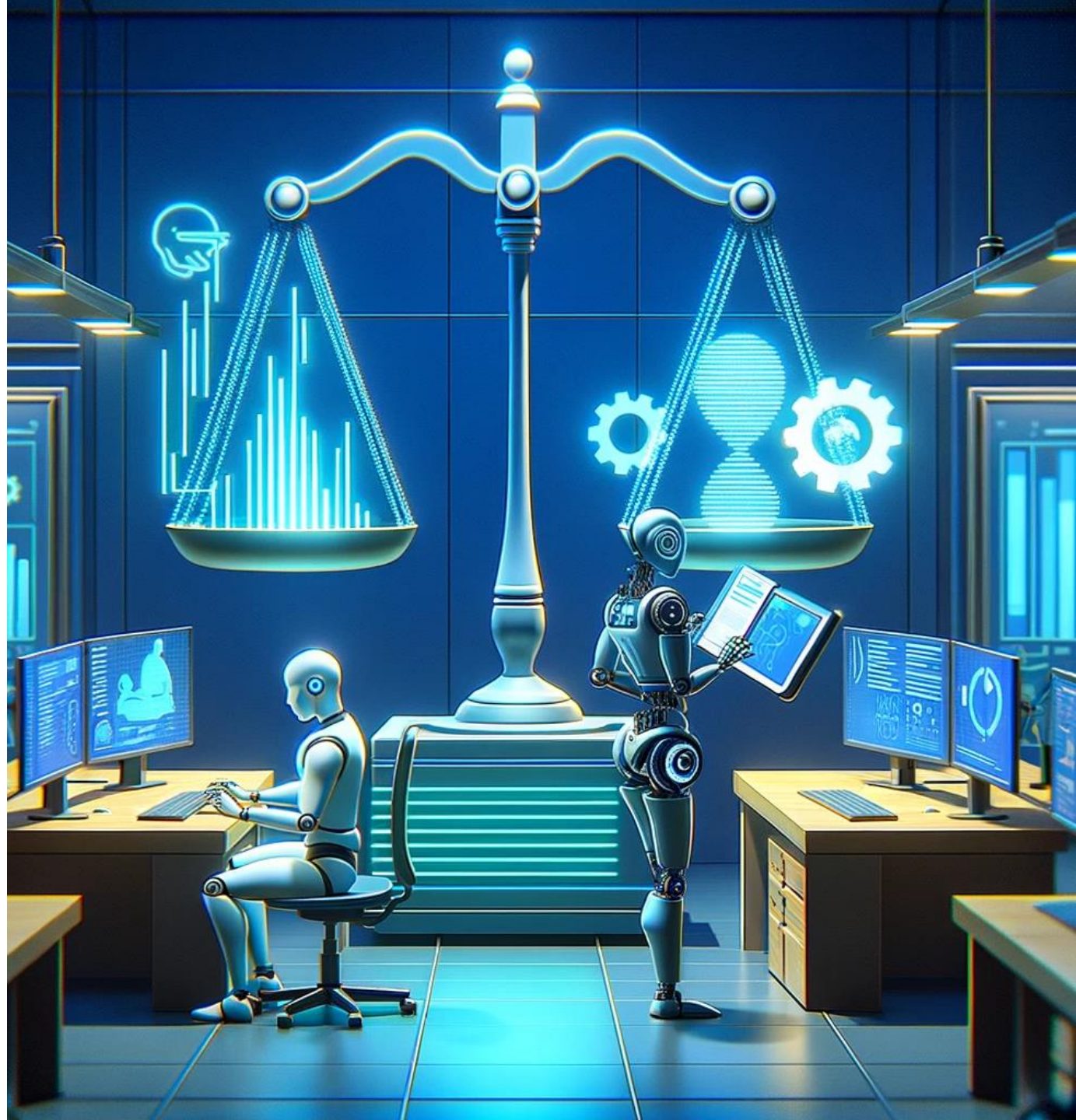




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## Encouraging Innovation while Ensuring Data Integrity

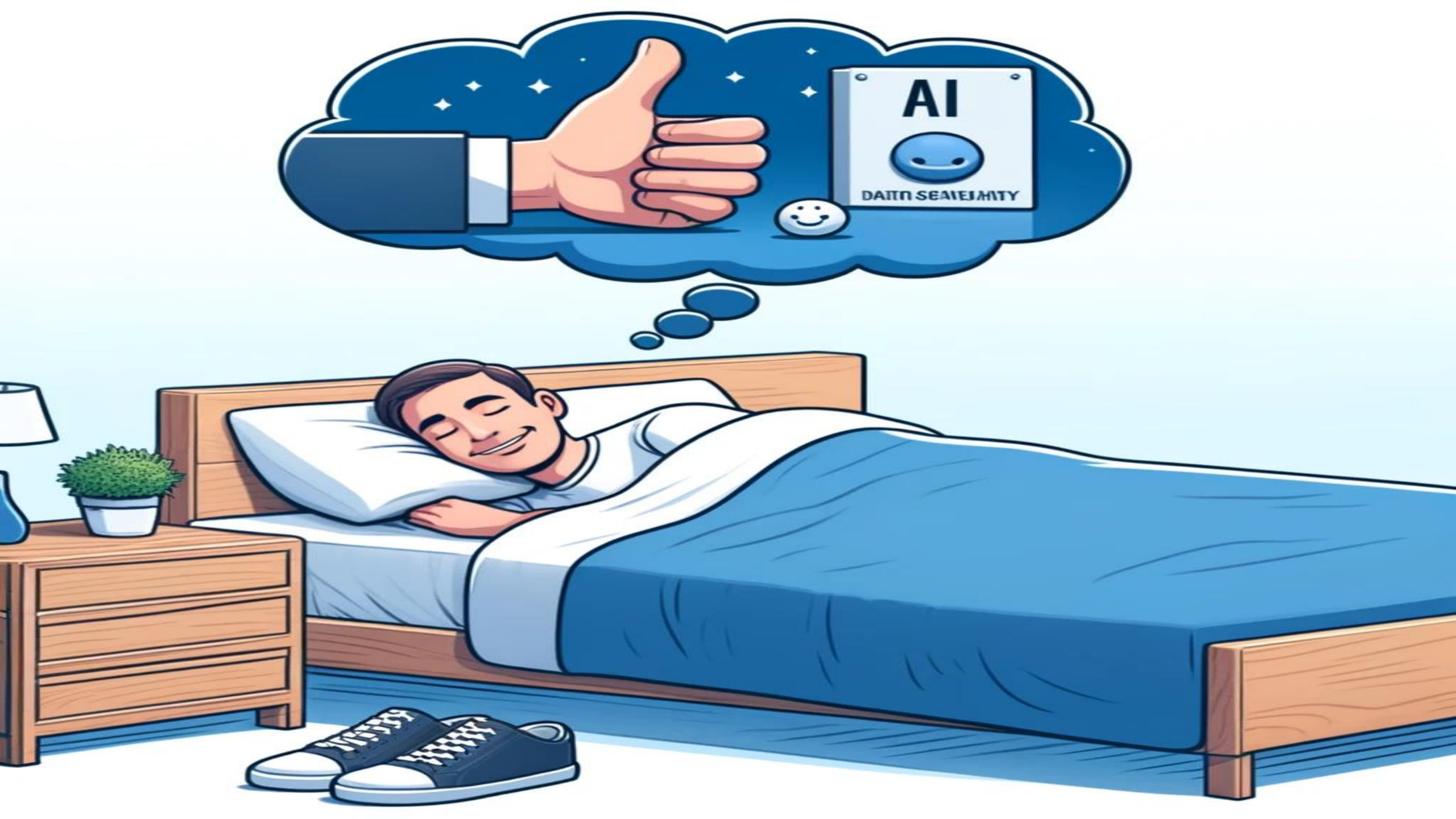
- Collaborative Innovation
- Maintaining Equilibrium
- Responsible AI Use





Conclusion







# Data quality & AI Q&A session

