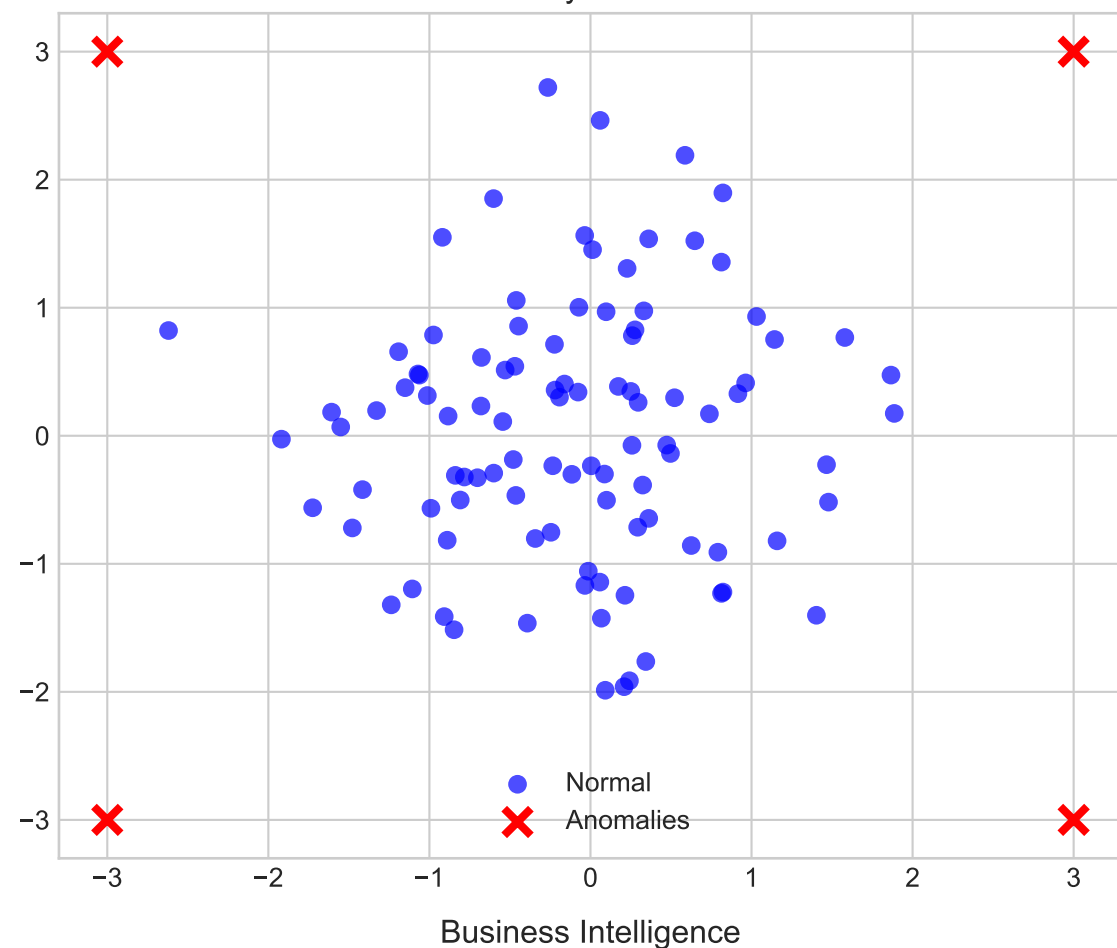
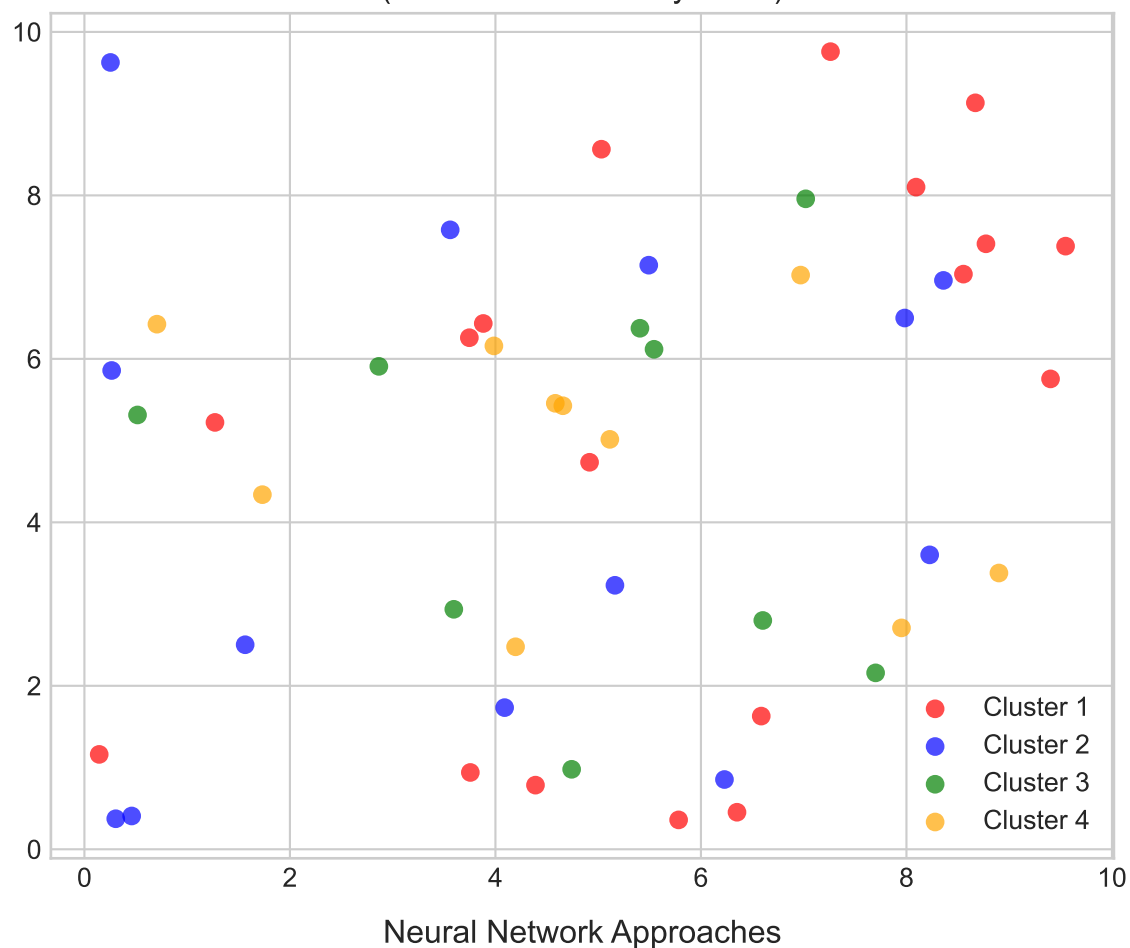


Anomaly Detection



User Segmentation (Recommendation Systems)



Business Intelligence Applications:

- Customer Segmentation
 - Demographic groups
 - Behavioral patterns
 - Value-based segments
- Market Research
 - Product categories
 - Competitor analysis
 - Trend identification
- Operational Optimization
 - Resource allocation
 - Process improvement
 - Cost reduction

Neural Network Clustering:

- Autoencoders
 - Learn data representations
 - Dimensionality reduction
 - Feature extraction
- Self-Organizing Maps
 - Topological preservation
 - Visualization
 - Pattern recognition
- Deep Embedded Clustering
 - End-to-end learning
 - Joint optimization
 - State-of-the-art results