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Handling Data Irregularities in Classification: Foundations, Trends, and Future Challenges

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Highlights

- Data irregularities can significantly degrade the performance of classifiers.
- We present a comprehensive taxonomy & survey of various data irregularities.
- We discuss prominent methods to handle distribution & feature-based irregularities.
- We highlight the co-occurrences and interrelations among different irregularities.
- We unearth a number of promising future research avenues.

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