Data Exploration and Preprocessing Report

Team ID: SWTID1720067156

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Data Collection and Preprocessing Phase

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Project Title: Lymphography Classification Tool

Maximum Marks: 6 Marks

Data Exploration and Preprocessing Report

Dataset variables will be statistically analyzed to identify patterns and outliers, with Python employed for preprocessing tasks like normalization and feature engineering. Data cleaning will address missing values and outliers, ensuring quality for subsequent analysis and modeling, and forming a strong foundation for insights and predictions.

Section Description

Section	Description
Data Overview	Dimension: 614 rows × 13 columns
	Descriptive statistics:
	Attribute information: NOTE: All attribute values in the database have been entered as numeric values corresponding to their index in the list of attribute values for that attribute domain as given below. 1. class: normal find, metastases, malign lymph, fibrosis 2. lymphatics: normal, arched, deformed, displaced 3. block of affere: no, yes 4. bl. of lymph. c: no, yes 5. bl. of lymph s: no, yes 6. by pass: no, yes 7. extravasates: no, yes 8. regeneration of: no, yes 9. early uptake in: no, yes 10. lym.nodes dimin: 0-3 11. lym.nodes dimin: 0-3 12. changes in lym:: bean, oval, round 13. defect in node: no, lacunar, lac. marginal, lac. central 14. changes in node: no, lacunar, lac. margin, lac. central 15. changes in stru: no, grainy, drop-like, coarse, diluted, reticular, stripped, faint, 16. special forms: no, chalices, vesicles 17. dislocation of: no, yes 18. exclusion of no: no, yes 19. no. of nodes in: 0-9, 10-19, 20-29, 30-39, 40-49, 50-59, 60-69, >=70 Missing Attribute Values: None Class: Number of Instances: normal find: 2 metastases: 81 malign lymph: 61 fibrosis: 4

