

Data Collection and Preprocessing Phase

Date	19 July 2024
Team ID	SWTID1720627211
Project Title	Cognitive Care: Early Intervention for Alzheimer's Disease
Maximum Marks	2 Marks

Data Quality Report Template

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

Data Source	Data Quality Issue	Severity	Resolution Plan
Kaggle Dataset	Inconsistent image quality and resolution across MRI scans	High	Standardize image preprocessing by resizing to a uniform resolution, applying denoising filters, and ensuring consistent contrast adjustment to improve clarity and consistency.
Kaggle Dataset	Class imbalance among Alzheimer's Disease classes.	Moderate	Use SMOTE (Synthetic Minority Over-sampling Technique) to create synthetic samples for underrepresented classes,

			ensuring balanced data for model training.
--	--	--	--