${\bf Data Collection and Preprocessing Phase}$

Date	20 June2025
TeamID	LTVIP2025TMID51415
ProjectTitle	CosmeticInsights:NavigatingCosmeticsTrendsandConsumerInsightswithTableau
MaximumMarks	3 Marks

${\bf Data Quality Report Template:}$

DataSource	DataQuality Issue	Severity	ResolutionPlan
Cosmetics datasets	InconsistentData Types	Moderate	 Price:Shouldideallybenumeric(e.g.,floatorinteger). While it appears to be numeric, it's worth confirming that there are no non-numeric characters present. Rank:Shouldbenumeric(floatordecimal)torepresent rating values. Verify that all values are within a reasonable range (e.g., 1-5 or 0-5). Combination,Dry,Normal,Oily,Sensitive:Theseare likely intended to be boolean (True/False or 1/0). The data appears consistent with 1/0, but it should be explicitly verified.
Cosmetics datasets	MissingValues andIncomplete Data	Low	 Ingredients: The "Ingredients" columnistruncated in many entries (e.g., "Algae (Sea", "Galactomy", "Water, Dic"). This makes it difficult to fully understand the product's composition. Brand Names: Some brand names are abbreviated (e.g., "DRUNK EL" instead of "Drunk Elephant"). Consistency is needed.
Cosmetics datasets	DataInconsistency andTypos	High	Inconsistent Capitalization: Brand and product names showinconsistentcapitalization(e.g.,"LAMER"vs."la mer" or "Truth Seru" vs. "Truth Serum").

Cosmetics datasets	DataValidation	High	 VerifyRankValues: Ensureallranksarewithinthe expected range. ConfirmDataTypes: Explicitlydefinethedatatypesfor each column (numeric, boolean, string).
Cosmetics datasets	DataCleaning	High	 StandardizeBrandandProductNames:Ensure consistent capitalization and full names. CorrectTypos:Fixerrorslike"Bi"andensure consistent spelling. CompleteIngredientLists:Ifpossible, obtainthefull ingredient lists for each product. RemoveSpecialCharacters:Replaceorremovespecial characters as needed.