Data Driven Decision Making

Assignment 2 - Fundamentals of Data
Collection and Cleaning

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Task 1: Short - Student Satisfaction Survey

1. How satisfied are you with your overall college life?
2. How would you rate the quality of teaching?
3. How satisfied are you with campus facilities?
4. How would you rate student support services?
5. Would you recommend this college to others?
6. Do you feel safe on campus? (scale → 1 to5)

Task 2: 10-15 Responses

Responses	Overall	Quality	Facility	Support	Recommend	Safety
1	4	5	3	2	Yes	2
2	3	3	3	1	Yes	3
3	5	2	5	2	No	2
4	2	4	4	3	Yes	4
5	4	3	2	0	No	3
6	3	2	1	4	No	2
7	4	5	2	2	No	1
8	4	1	4	3	No	3
9	5	3	3	1	Yes	2
10	2	4	5	2	Yes	4

Task 3: Issues Identified and Fixes

Issue Type	Example	Explanation
• Missing Data	Response 5 missing	Entry lacks value
• Duplicate entry	Response 7 & 8	Identical Responses
• Blank fields	Empty comments	Notable errors.

Fixes Applied.

1. Missing numeric Values :
   mark as " incomplete response"

2. Duplicate Entries :
   remove exact duplicates

3. Optional Fields :
   Keep blanks since they have no effect.

Task 4: Short Note.

Some principles that should be followed while collecting student feedback :

Informed Consent : participants must be clearly informed about, what data is being collected, how it will be used, why is it being collected etc.

Privacy and Confidentiality : Personal data should be : kept confidential, shared securely.

Transparency : Inform students about : who will have access to the data, how results will be reported.