Data Analysis Report

Executive Summary:

This project aims to analyze vendor data, including vendor names and IDs. Through data exploration and analysis, we identified a minor repetition in vendor names, with two vendors appearing twice. There are no major issues with data cleanliness or missing values, and vendor IDs are uniformly distributed. It is recommended to review the repeated entries for accuracy.

Introduction:

This project involves analyzing vendor data to assess their distribution and frequency. The primary data source is an Excel file containing vendor names and IDs. The objective is to determine any unusual patterns or repetitions that may affect analysis accuracy.

Data Exploration:

Data Size: 328 records.

Data Characteristics:

326 unique vendor names.

4. Data Analysis:

Vendor ID Distribution: Uniformly distributed from 1 to 328, indicating a correct sequence of IDs.

Vendor Name Frequency: Most vendor names are unique, with only two vendors appearing twice.

Conclusion:

This project provides information about suppliers, the number of defects, and the downtime caused by them.

METRICS of Downtime min

Average	**673**
Mod	**60**
The median	**2**
std	**1,506**

Best practices with the least number of errors and the least downtime:

Indigoice	Zimex	Iselectrics	Streetplus
Matsanice	Silver-line	Bamgeohigh	Pluslam
Goldenlex	Dongbase	Zamlane	dripkix
Zumcane	Kantone	Linetone	san-plex
Daltcare	Konknix	Zathlane	Y-strip
Saltlab	Danfan	tinron	Warecity
Betaity	Geoit	Statway	wareholding
Dingfax	Unatrax	Canace	Fixcan
Sonlex	Daltron	Condexon	Toncode
Joyzim	Scothouse	Viacane	Planetware
Stripzim	Zerlane	Canphase	Dentoelectrics
Goodtechno	Zuntone	Hayholding	zen-holdings
Solohex	Ittam	Vivazim	Templax

worst practices with the highest number of errors and the least downtime:

Reddoit	Instrip	Ventocore	Strongtechnology
Plustax	Solholdings	Singleholdings	tampquote
Sanlab	Subdrill	Silverfase	Latgotrax
xx-way	Fax-ex	zoofan	hottaxon
Quotelane	Scotfase	D-zohex	Lexiplus
scotquote	Keyzunbase	Canemedkix	Zuntexon
Recode	Funlax	Bamtechnology	Indi-dox
Sanin	Blueit	citydexon	Donware
xx-bam	Yearlex	Zaamhouse	Vaiazozice
Planethouse	O-ace	Zentrax	Sunjob
ontotam	Damdexon	Viatom	white-high
J-lax	Gravemedia	Trio-dax	Ranmedia
Dentocity	Ganjazone	Lazap	Daltfax

The best Defects that never happened

Packaging Damaged	Holes in Material	Incorrect Color	Warped Sheets
Tampered	Incomplete Tops	Blisters	

The worst Defects that the highest recorded

Bad Seams	Poor Pairing	Warping	Odor
Warped	Out of Spec	Delamination	Skewed
Misc	Wrong Size	Wrong Fasteners	Foreign objects found
Foreign Material	Wrong material	Inside Scoring	Printing Defects
Gap Variation	Contamination	Weak Walls	Defective Rims