DATA ANALYTICS GUIDE NO. 1

THE PERIODIC TABLE *of* DATA ISSUES

Queryon presents the Data Issues "Periodic Table" – a systematic framework designed to facilitate communication and collaboration among project managers, engineers, and stakeholders regarding potential roadblocks encountered during data analysis. Each element in this table represents a distinct type of data irregularity, offering a structured overview of potential challenges inherent in the dataset.

This innovative approach serves as a tool for meticulous documentation and analysis, enhancing the transparency and precision of our data refinement processes. By employing systematic categorization, we facilitate clear communication and collaboration between our team and clients, fostering a shared understanding of data imperfections.

The Data Issues "Periodic Table" underscores our commitment to scientific rigor in the pursuit of data accuracy and transparency. Through this methodical classification, we aim to streamline the identification and resolution of data challenges, ensuring a foundation for informed decision-making in data management.

QUERYON

1 H Hardware																	
2 Li Licensing	7 L Leak															35 Bt API Bottleneck	40 Md Missing Data
3 Ua User Access	8 B Breach															36 La Latency	41 Ed Excluded Data
4 Aa Admin Access	9 Lo Loss	12 Dq Data Quality	13 Da Data Access	16 Dl Data Lifecycle	19 Mm Metadata	22 Nf Normal Form	25 Dc Database choice	28 Im Integrity Mechanisms	32 Dd Data Dictionary							37 Dm Data Mismatch	42 Rp Requirement Pollution
5 Ea Engineer Access	10 E Encryption	14 Dp Data Privacy	17 Dr Data Architecture	20 Dw Data Stewardship	23 Si Schema Inconsistence	26 S Structure	29 Ox Over Complexity	33 Ix Indexing								38 Dw API Downtime	43 Tp Transmission Pollution
6 Do Data Ownership	11 A Authorization	15 Ds Data Security	18 Di Data Integration	21 Dg Data Integrity	24 Cc Cross cutting	27 Sc Scalability	31 D Documentation	34 Ma Malleability								39 Sd Schema Drift	44 Pp Processing Polution
		45 Sg Skill Gap	46 Co Collaborate	47 Wk Workflow Bottleneck	48 Ks Knowledge Silos	49 Hp Human Data Pollution	50 Ac Accessbility	51 Ut User Training	52 Uf User Feedback	53 Uc User Clarity	54 Cr Change Resistance						
		55 Ui Broken UI	56 Cj Chart Junk	57 Ms Misleading Scale	58 Dm Data Mapping	59 Op Overplot	60 Cp Cherry Pick	61 Cx Context	62 Cl Clutter	63 Ct Chart Type	64 Cg Cognitive Bias						

Key:

Number
Symbol
Name

Access · Security · Governance · Structure · Flow · Data · Personnel · Visual