THE 2023 MAD (MACHINE LEARNING, ARTIFICIAL INTELLIGENCE & DATA) LANDSCAPE
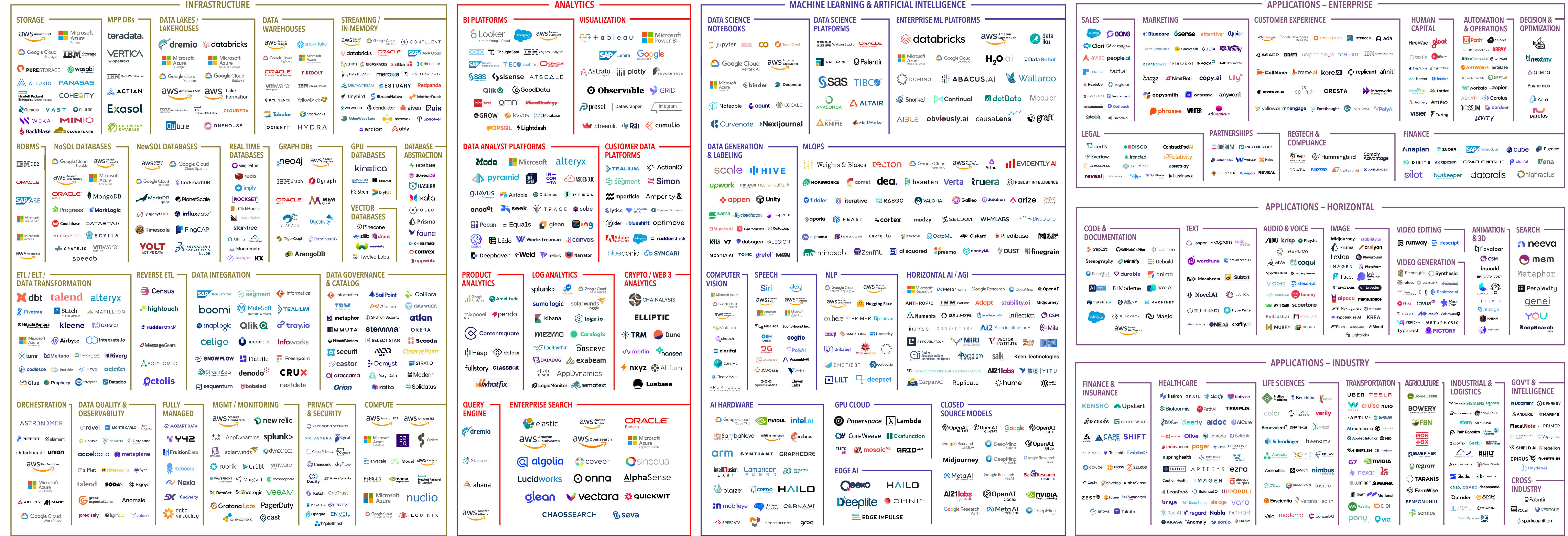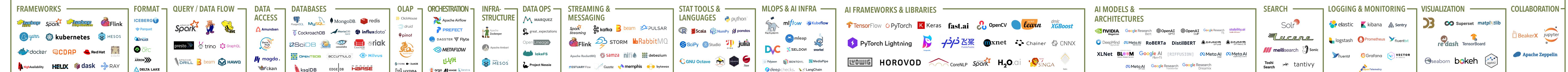
INFRASTRUCTURE

- STORAGE
- MPP DBs
- DATA LAKES / LAKEHOUSES
- DATA WAREHOUSES
- STREAMING / IN-MEMORY
- RDBMS
- NoSQL DATABASES
- NewSQL DATABASES
- REAL TIME DATABASES
- GRAPH DBs
- GPU DATABASES
- DATABASE ABSTRACTION
- VECTOR DATABASES
- ETL / ELT / DATA TRANSFORMATION
- REVERSE ETL
- DATA INTEGRATION
- DATA GOVERNANCE & CATALOG
- ORCHESTRATION
- DATA QUALITY & OBSERVABILITY
- FULLY MANAGED
- MGMT / MONITORING
- PRIVACY & SECURITY
- COMPUTE

ANALYTICS

- BI PLATFORMS
- VISUALIZATION
- DATA ANALYST PLATFORMS
- CUSTOMER DATA PLATFORMS
- PRODUCT ANALYTICS
- LOG ANALYTICS
- CRYPTO / WEB 3 ANALYTICS
- QUERY ENGINE
- ENTERPRISE SEARCH

MACHINE LEARNING & ARTIFICIAL INTELLIGENCE

- DATA SCIENCE NOTEBOOKS
- DATA SCIENCE PLATFORMS
- ENTERPRISE ML PLATFORMS
- DATA GENERATION & LABELING
- MLOPS
- COMPUTER VISION
- SPEECH
- NLP
- HORIZONTAL AI / AGI
- AI HARDWARE
- GPU CLOUD
- CLOSED SOURCE MODELS
- EDGE AI

APPLICATIONS – ENTERPRISE

- SALES
- MARKETING
- CUSTOMER EXPERIENCE
- HUMAN CAPITAL
- AUTOMATION & OPERATIONS
- DECISION & OPTIMIZATION
- LEGAL
- PARTNERSHIPS
- REGTECH & COMPLIANCE
- FINANCE

APPLICATIONS – HORIZONTAL

- CODE & DOCUMENTATION
- TEXT
- AUDIO & VOICE
- IMAGE
- VIDEO EDITING
- ANIMATION & 3D
- SEARCH
- VIDEO GENERATION

APPLICATIONS – INDUSTRY

- FINANCE & INSURANCE
- HEALTHCARE
- LIFE SCIENCES
- TRANSPORTATION
- AGRICULTURE
- INDUSTRIAL & LOGISTICS
- GOV'T & INTELLIGENCE
- CROSS-INDUSTRY

OPEN SOURCE INFRASTRUCTURE

- FRAMEWORKS
- FORMAT
- QUERY / DATA FLOW
- DATA ACCESS
- DATABASES
- OLAP
- ORCHESTRATION
- INFRA-STRUCTURE
- DATA OPS
- STREAMING & MESSAGING
- STAT TOOLS & LANGUAGES
- MLOPS & AI INFRA
- AI FRAMEWORKS & LIBRARIES
- AI MODELS & ARCHITECTURES
- SEARCH
- LOGGING & MONITORING
- VISUALIZATION
- COLLABORATION

DATA SOURCES & APIs

- DATA MARKETPLACES & DISCOVERY
- FINANCIAL & MARKET DATA
- AIR / SPACE / SEA
- PEOPLE / ENTITIES
- LOCATION INTELLIGENCE
- ESG

DATA & AI CONSULTING