

PREPARATION GUIDE

DATA STORM 6.0

CRITICAL ANALYSIS - INSPIRED SOLUTIONS



TYPICAL PROGRAMMING LANGUAGES AND SKILLS TO LOOK OUT FOR



MOST COMMONLY USED PROGRAMMING LANGUAGES

- R/R studio
- Python
- SAS
- Spark
- Julia

USED BUT NOT PREFERRED

- Scala
- Hive
- Java
- SQL

DATA MANAGEMENT TOOLS

- Apache
- Hadoop
- Spark
- Presto
- Teradata
- Oracle
- MapRFS
- Azure Blob Storage
- Google Cloud Storage
- Redis
- MongoDB
- CouchDB
- DynamoDB
- Azure Cosmos DB
- Netezza
- Amazon Redshift
- ClickHouse
- Apache Kudu
- Apache Kylin
- Apache Storm
- Apache Parquet
- Dremio
- MuleSoft
- Cassandra
- Druid
- MapReduce
- Exasol
- Hive



TYPICAL ANALYTICAL SKILLS TO LOOK OUT FOR

BASIC ANALYTICS ALGORITHMS – SUPERVISED LEARNING

- Regression – Linear/ Logistic
- Tree based – CHAID/CART/Decision Trees
- Time Series Analysis (ARIMA/ARIMAX)
- Naive Bayes Classifiers
- Recommendation Engines/ Market Basket Analysis

BASIC ALGORITHMS – UNSUPERVISED LEARNING

- Clustering – K means, hierarchical, agglomerative



ADVANCED ALGORITHMS – SUPERVISED LEARNING

- Random forest
- Bagging, Boosting
- Bootstrapping techniques
- XGBoost
- Support Vector Machines
- Neural Network Algorithms

ADVANCED ALGORITHMS- UNSUPERVISED LEARNING

- Neural Network Algorithms
- Collaborative Filtering



THANK YOU
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