ESTIMATION OF CROP YIELD USING DATA ANALYTICS

WEEK-1

Everyone in our team has created our respective github accounts

GITHUB ID’S:

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PREREQUISITES:

* IBM Account Creation - https://vimeo.com/742609168/1824d26a5b (Follow this video for IBM Skill Build Account Creation)
* IBM Skill Build - https://www.ibm.com/academic/home
* Webmail - https://sg2plmcpnl492529.prod.sin2.secureserver.net:2096/
* IBM Cloud - https://cloud.ibm.com/login
* IBM Cognos Analytics:- https://www.ibm.com/in-en/products/cognos-analytics

DISCUSSION POINTS:

* Data exploration
* Key industry challenges
* Business Intelligence(BI)
* Process, Utilization of BI
* BI tools
* Data Warehousing
* Data Analytics - Need of analytics

- Process of data analytics

- Types of business analytics

- Differennce between BI & BA

- Visual Analytics

- Cycle of visual analytics

* Applications - Marketing and customer intelligence

- Supply chain

- Revenue management

- Risk management

- Fraud detection

- Product analysis

- Reputation analysis

* Need for data exploration – Voluminous, varied, grows with great velocity
* Steps for data exploration - Variable Identification

- Univariant analysis

- Bivariant analysis

- Missing value treatment

- Outlier treatment

- Variable transformation

- Variable creation

* Data Preprocessing
* Methods of handling missing data - Deletion methods

-Imputation methods