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Distributed Systems (CT-509)

Project proposal

**Abstract**

Data Science is a scientific technique to unfold the hidden mystery of data and extract the valuable insight that can boom the business needs, beware of what probably be happened in near future and most importantly make human to act that react on things. Nowadays, data is the key element that use to classify and aids in to foretell each and every aspect of human; behavior, nature, standards, lifestyle, passion, desire, business needs and lot more uncountable. But, data is not so simple nor resides in any specified form. This usually be available in any of 4Vs; Volume, Velocity, Verity and Veracity. Due to complex nature of data, many organization, scientist and practitioners suffer trouble to incorporate them in a suitable platform, desirable tools, libraries and other supportives. Also, data science itself not a separate field of study, but it’s a composition of several incorporating fields – Information Technology, Statistics and Science. The core propose of this study presents the generic platform model for data science practitioner and professionals. In this work, we will explore each aspect and compositor of data Science, drill down to identify individual field hierarchy, tools, and platform available. Furthermore, it covers the concise comparison study renewed and most preferable element in each filed. The study, will beneficial in building a generic platform and composite tool that will ease the practitioners to learn more, building better and flexible system and more compatible integrating features.

# **Objectives**

To list down the technology, algorithms, tools and their comparison for

1. Big data
2. Data Analytics
3. Algorithms/Methods

# Targeting Conference

### **MARKETING ANALYTICS AND DATA SCIENCE**

**Twitter**: [@MADS\_Marketing](https://twitter.com/MADS_Marketing)

**Web**: <https://marketing.knect365.com/marketing-analytics-data-science/>

**Date**: April 8-10, 2019

Analytics understandably gets a lot of attention in the marketing realm, where businesses are motivated to learn what works to attract and retain customers. The “MADS” conference is all about using data for marketing, improving the customer experience, and fattening the bottom line. While it’s programmed for marketing and salespeople, there are also tracks for data science and analytics pros, as well as R&D and operations professionals. For each track, the goal remains the same: how to pull trends and gain insights from data quickly and profitably.

In 2018, the conference had two tracks: “The Big Picture—Creating the Strategy for Maximum Business Impact and Influence” and “Getting Dirty with Data—Leveraging Tools, Techniques, and Methodology to Improve Decision-Making.” In other words, one track is for strategy building and the other for data mining. Session topics included “Breaking Up with a Bad Paradigm: Transforming from Traditional Media to an Analytics-Focused Culture,” “Black Twitter: Building Authentic Relationships with African Americans,” and “How to Grow Market Share: Using Data to Connect Strategy to Activation.” The 2019 conference looks to be shaping up similarly.

### **DataEngConf’19**

DataEngConf focuses on technical aspects of data science. It aims to remove the gap between data scientists, data engineers and data analysts. Main focus of the conference will be on topics related to the real world application of data science. Conference will also discuss data pipeline architectures. Among the panel of speakers would be data scientists and engineers from top companies such as Facebook, Lyft, Airbnb and Instacart among others. Attendees will include data scientists and engineers from from a variety of different fields and startups including media, finance and technology.

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| Location | Barcelona | New York |
| Date | Sept 25-26, 2018 | Nov 8-9, 2018 |

<https://www.dataengconf.com/>

### **DATA CONFERENCE**

The purpose of the 8th International Conference on Data Science, Technology and Applications (DATA) which purpose is to bring together researchers, engineers and practitioners interested on databases, big data, data mining, data management, data security and other aspects of information systems and technology involving advanced applications of data. The Data Conference focuses on bringing together people interested in databases, data warehousing, data managing and data security.

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| Location | Prague, Czech Republic |
| Date | July 26-28, 2019 |

<http://www.dataconference.org/>

# **References**

If anyone would like to add online PDF/source file links add here. Otherwise shared via following google drive

<https://drive.google.com/drive/folders/1kN4d49MhpUI217pM57NGI8N50xwKLpC6?usp=sharing>

Following paper uploaded to google drive.

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