Summer Workshop

Data Science & Machine Learning

organized by
ACM Student Chapter, IGDTUW
Technical Society of Department of Information Technology

Details

Date: 27th - 31st May 2019
Venue: Seminar Hall, IGDTUW

Faculty Incharge
Rishabh Kaushal, Assistant Professor

https://rishabhkaushal.github.io/

- MS by Research from IIIT-Hyderabad and pursuing PhD from IIIT-Delhi
- 30+ research papers, some of them presented at renown international universities like Oxford University at UK and other countries namely New Zealand & Cyprus.
- Provide consultancy in data science & machine learning in Industry's leading training institutes.
- Trained 30+ Delhi Police officers & advised 4 projects in Delhi Traffic Police HQ.
- 10+ years of teaching experience and 3+ years of industry experience.
- Conducted five summer/winter workshops at IGDTUW in the past.

Details of summer workshop

Format

Five days, 6 hrs per day

Total = 30 hrs of course content

Typical day at the workshop

- ○ 09:30 to 11:00 - Lecture 1
- ○ 11:00 to 11:15 - Break
- ○ 11:15 to 12:45 - Lecture 2
- ○ 12:45 to 13:30 - Lunch
- ○ 13:30 to 15:00 - Lecture 3
- ○ 15:00 to 15:15 - Break
- ○ 15:15 to 16:45 - Lecture 4

Day Wise List of Topics

Day 1

L1: Python - Basics (RK)

L2: Data Structures in Python & DataSets (RK)

L3: Data Collection from Social Media (RK)

L4: Store collected data in data structures /database (RK)

Day 2

L1: Exploratory Data Analysis (RB)

L2: Graph Visualization (PB)

L3: Data Pre-processing NULL value handling, outlier detection (RK)

L4: Data Transformations (RK)

Day 3

L1: K-Nearest Neighbors (RK)

L2: Linear Regression (RK)

L3: Naive Bayes (RK)

L4: Decision Tree (SY)

Day 4

L1: K-means Clustering (CP)

L2: Association Rule Mining (KS)

L3: Hypothesis Testing (RK)

L4: Research Project Discussions (RK)

Day 5

L1: Embeddings (RK)

L2: Deep Learning (RK)

L3: Project Discussions

L4: Valediction Ceremony

Fee

Fee includes:

- Workshop kit, refreshments and lunch on all five days and a workshop memoir

- Certificates to be provided to all participants

ACM-IGDTUW Chapter Members: INR 1,500

IGDTUW Students: INR 2,500

Non-IGDTUW Students: INR 3,500

PS: You can pay the fee on the spot on 27th May to ACM organizing student volunteers at Seminar Hall, Admin Block, IGDTUW.

Mode of Payment

- NEFT/RTGS transfer

  Account Name: ACM IGDTUW

  Account No. 09001000018964

  IFSC Code: PSIB0001098

  Bank: Punjab & Sind Bank, GGSIPU Branch, Kashmere Gate

- DD of amount as applicable in favor of 'ACM IGDTUW' payable at Delhi.
- Cash to be submitted to Treasurer, ACM Student Chapter.

Past Summer Workshop - 2016

Participants of Summer Workshop on Social Media Analytics held in June-July, 2016

Past Summer Workshop - 2013

Participants of Summer Workshop on Secure Web Development held in June-July, 2013

CONTACT US

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