

## Report for Webinar on ML (REGRESSION ALGORITHMS) USING PYTHON

Conducted on 09<sup>th</sup> February 2023

---

**Organized by School of Computer, Information and Mathematical Sciences (SCIMS),  
Department of Computer Applications**

### Conveners

1. Dr.S.Pakkir Mohideen, HoD/CA
2. Dr.P.Sheik Abdul Khadeer, Sr.Prof/CA & Prof.In-Charge, Library
3. Dr.Jaya, Prof / CA

### Coordinators

1. Dr.G.Shree Devi, AP(Sr.Gr) / CA
2. Dr.R.Sonia, AP / CA
3. Dr.A.Jahir Hussain, AP / CA
4. Dr.M.Deepika, AP / CA
5. Dr.S.Kalaivani, AP / CA
6. Dr.Jeevitha Sivasamy, AP / CA

Webinar on **ML (Regression Algorithms) using Python** was held on 09<sup>th</sup> February, 2023, during **11.00 am to 12.30 pm**. The Department of Computer Applications, School of Computer, Information and Mathematical Sciences organized the event.

The Resource person of this webinar was, **Dr.A.Abdul Azeez Khan, Asso Prof /CA, & Dr.K.Javubar Sathick, Asso Prof /CA.**

**The report discusses about the following aspects of the programme:**

### **Introduction**

- ❖ On February 9th, 2023, the Department of Computer Applications organized a webinar on "ML (Regression Algorithms) using Python on Data Cleaning Techniques".
- ❖ The webinar was conducted by Dr. A. Abdul Aziz Khan and Dr. K. Javubar Sathick as a resource person.
- ❖ The webinar was attended by students and faculty members of the department.

### **Key Takeaways**

**The webinar focused on the following key takeaways:**

- ❖ Understanding the importance of data cleaning techniques in Machine Learning.
- ❖ Understanding the basics of Regression Algorithms.
- ❖ Learning how to implement Regression Algorithms in Python.
- ❖ Learning about the different types of Regression Algorithms, such as Linear Regression, Polynomial Regression, and Multiple Regression.
- ❖ Learning how to choose the right Regression Algorithm for a specific problem.
- ❖ Understanding how to evaluate the performance of a Regression Algorithm using metrics such as Root Mean Squared Error (RMSE), Mean Absolute Error (MAE), and R-Squared ( $R^2$ ).

### **Presentation and Delivery**

- ❖ The presentation and delivery of the webinar were well-organized and informative.
- ❖ Dr. A. Abdul Aziz Khan and Dr. K. Javubar Sathick presented the topics in a clear and concise manner.
- ❖ They started with the basics of data cleaning techniques and then moved on to Regression Algorithms.

- ❖ They explained the concepts using examples and code snippets in Python.
- ❖ They also provided practical tips on how to choose the right Regression Algorithm and how to evaluate its performance.

### **Audience Engagement**

- ❖ The webinar was well-received by the audience, and they actively participated by asking questions and clarifying doubts.
- ❖ The speakers encouraged the audience to ask questions and provided detailed answers to each one.
- ❖ The audience also shared their experiences and challenges faced while working with Regression Algorithms, which helped in enriching the discussion.

### **Conclusion**

- ❖ In conclusion, the webinar on "ML (Regression Algorithms) using Python on Data Cleaning Techniques" was informative and insightful.
- ❖ The speakers provided a comprehensive overview of data cleaning techniques and Regression Algorithms.
- ❖ The practical tips and examples provided during the webinar will be helpful for students and faculty members in their future projects.
- ❖ Overall, it was an enriching experience for everyone who attended the webinar.

The Brochure highlighting the necessary information about the Webinar on ML (Regression Algorithms) using Python on Data Cleaning Techniques was designed and circulated. The Brochure is displayed below:



**SCHOOL OF COMPUTER INFORMATION AND MATHEMATICAL SCIENCES**  
**Department of Computer Applications**

**Organizes a Workshop on**

**Machine Learning (Regression Algorithms) Using Python**  
**(Part - I)**

**DATE: 9<sup>TH</sup> February 2023**                      **TIME: 11.00 AM – 12.30 PM**

**AI Specialization team members are welcome to attend the session**

**Resource Person**  
**Dr.A. Abdul Azeez Khan,**  
Asso Prof /CA  
**Dr.K. Javubar Sathick,**  
Asso Prof /CA

<b><u>Coordinators</u></b>	<b><u>Conveners</u></b>
1. Dr.G.Shree Devi, AP(Sr.Gr) / CA	1. Dr.S.Pakkir Mohideen, HoD/CA
2. Dr.R.Sonia, AP / CA	2. Dr.P.Sheik Abdul Khadeer, Sr.Prof/CA & Prof.In-Charge, Library
3. Dr.A.Jahir Hussain, AP / CA	3. Dr.Jaya, Prof / CA
4. Dr.M.Deepika, AP / CA	
5. Dr.S.Kalaivani, AP / CA	
6. Dr.Jeevitha Sivasamy, AP / CA	

Attached are some pictures of the webinar, showcasing the engaged audience and the speaker's presentation slides.



