

# SOUMYA BHUNIA

## DATA ANALYST/STATISTICIAN

### PROFILE & CAREER OBJECTIVE

Well-organized and talented Data Analyst with sound knowledge of statistical modeling and methodologies. Experience using statistical packages for analyzing datasets, including SQL, R and SAS.

Proficient in documenting, interpreting and analyzing data in a dynamic environment.

I am a hard-working and focused Data Analyst who seeks to establish a career as a Data Analyst. I am looking forward to acquiring knowledge and new skills, as I want to see myself as a Data Scientist in future.

#### CONTACT INFORMATION:

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#### SKILLS

- Technical Skills
  - R Language | SAS Programming | SQL | Data Mining | Data Structure | Database Design | Data Visualization
- Statistical Skills
  - Data Science Research Method | Cluster Analysis | Statistical Analysis Method | Sample Quality Control | Operation Research

#### CERTIFICATES

- Certificate In Information Technology Application  
July 2015 - Dec 2015
- Data Analytics Training on Hadoop with R Programming  
Aug 2018 - May 2019
- Data Analytics Training on Base SAS  
Aug 2018 - May 2019

#### LANGUAGES

- English
- Hindi
- Bengali

#### INTEREST

- Programming / Coding
- Artificial Intelligence
- Travelling

#### ACADEMIC QUALIFICATION:

- **MASTER OF SCIENCES IN STATISTICS(M.SC.)**  
**UNIVERSITY OF KALYANI | JULY 2016 - AUG 2018**
- **BACHELOR OF SCIENCES IN STATISTICS(B.SC.)**  
**VIDYASAGAR UNIVERSITY | JULY 2013 - JULY 2016**
- **SCIENCE, HIGHER SECONDARY**  
**BELDA GANGADHAR ACADEMY | JULY 2011 - JULY 2013**

#### PROJECT

##### HYPOTHESIS T-TEST USING R PROGRAMMING

- Research Question

How many hours a week the student of Kalyani University spend in studying and assignments?(where study apparently 21hours a week is the normal)
- Introduction

I choose this project because we were college student and were curious to see how much time we spend for our classes and assignments.(confidence level is 95%)
- Data Collection & Sampling Procedure

I randomly asked 50 students at Kalyani University "How many hours they studied weekly?". In order to avoid bias, I made sure to ask different races, gender, ages.(so it's a primary data)
- Graph Plot

I used Histogram & graph was left skewed.(using R Language syntax)
- Hypothesis Testing

Null hypothesis  $H_0$ :  $\mu = 21$   
the average number of hours is 21  
alternative hypothesis  $H_A$ :  $\mu < 21$   
the average number of hours less than 21.  
(data is form a normal distribution)
- Conduct The Test

I used t-test and I performed this test using R software.  
where t value is -5.0612  
confidence interval is 14.79 to 17.89
- Conclusion

We reject our null hypothesis. Average number of hours studied by a student is less than 21 hours. Average hours studied by a student at Kalyani University is between 14.79 and 17.89 hours.