

# MONICA DINI WIJAYANTI

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## SUMMARY

Data-driven Statistics graduate with **expertise in statistical analysis, machine learning, and data visualization**. Experienced in applying advanced analytical methods through research and practical applications. Demonstrated ability to translate complex statistical concepts into actionable insights. **Adaptable, attention to detail**, and flexible approach to **problem-solving** using various statistical tools. Seeking to leverage strong mathematical foundation and programming skills in data scientist role.

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## TECHNICAL SKILLS

### Programming & Analysis

- Advanced: Python & R (Neural Networks, Prediction, Classification, Clustering)
- Working Proficiency: SPSS, Minitab, GeoDa, WEKA

### Data Visualization & Tools

- Advanced: Tableau, Microsoft Excel (Statistical Analysis, Dashboard Creation)
  - Expertise in Statistical Analysis, Spatial Regression, Data Mining, Rule Association
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## EXPERIENCE

### Data Scientist Intern | SOLUSI247 (PT Dua Empat Tujuh) - Yogyakarta Jan 2023 - Feb 2023

- Engineered 360-degree performance appraisal system using data-driven metrics
- Implemented Python data pipeline for cleaning and processing self-appraisal data
- Developed BPMN workflow optimization for appraisal system efficiency
- Conducted stakeholder interviews to translate business requirements into technical specifications

### Assistant Lecturer | Statistics Department, Sebelas Maret University Feb 2023 - Mar 2024

- Led Mathematical Statistics and Linear Algebra tutorials for 50+ undergraduate students
- Designed and evaluated student assignments to ensure learning objectives were met
- Provided one-on-one guidance to strengthen students' understanding of complex statistical concepts

### Agan Statistik | Badan Pusat Statistik - Semarang Dec 2021 - Dec 2023

- Served as primary liaison between BPS Central Java Province and program participants
  - Provided consultation services for data access and research methodology
  - Assisted visitors with statistical analysis and data interpretation
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## EDUCATION

### Bachelor of Statistics | Universitas Sebelas Maret - Surakarta Aug 2020 - Mar 2024

- GPA: 3.87/4.00
- Research: Early Detection of Currency Crisis in Philippines using Multilayer Perceptron Backpropagation

### Senior High School | SMA Negeri 3 - Surakarta 2017 - 2020

- Academic Excellence: 92.87/100.00
- Science Major

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## PROJECTS, AWARDS, AND ACHIEVEMENTS

### Currency Crisis Detection Research | IAFE 2024

- Developed early detection system for currency crises using Multilayer Perceptron and implemented AdaBound optimization
- Presented findings at international webinar

### Statistical Literacy Program | HIBAH MBKM 2022

- Led data literacy initiative for elementary and middle school students
- Designed and implemented metrics to measure program effectiveness
- Created engaging statistical education materials for young learners

### Academic & Research

- Bank Indonesia Scholarship Recipient (2023)
- PKM Riset Eksakta funding recipient from Kemenristek-DIKTI (2021)

### Data Visualization

- 2nd Place, Infographic Competition - EDUCUPTION 2023
- 3rd Place, Infographic Competition - TaxCompetition UPN Veteran Jakarta 2022
- Best Creativity Award - Statistic Infographic Competition, SATRIA DATA 2022

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## LEADERSHIP & ADDITIONAL EXPERIENCE

### Treasurer | Generasi Baru Indonesia (GenBI) Solo

Apr 2023 - Jan 2024

- Managed organizational budget and financial reporting
- Developed data-driven approach to fund allocation

### Coordinator of Treasury | Musyawarah Nasional IHMSI XVI

Jun 2022 - Nov 2022

- Managed budget for national-level event with 60 committee members and 67 participants
- Developed and implemented financial tracking systems
- Coordinated inter-division financial communications

### Professional Development

- Technical Communication: Experience explaining complex concepts to diverse audiences
- Training & Development: 2+ years experience in educational instruction
- Project Management: Managed learning progress for 20+ concurrent students