# Yin Zhang — Data Analyst

Years of Experience: 11
PhD in Mathematics

YIN ZHANG
DATA ANALYST
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SUMMARY
Analytical Data professional with 11 years of experience leveraging advanced mathematics and statistical modeling to deliver actionable business insights across leading tech and consulting firms in the Asia■Pacific region. Adept at designing robust data pipelines, conducting predictive analyses, and translating complex findings into strategic recommendations.

SKILLS
Python, R, SQL, Tableau, Power BI, Data Mining, Statistical Modeling, Machine Learning, Big Data, Hadoop, Spark, Data Visualization, Data Cleaning, Hypothesis Testing, Experimental Design, Regression Analysis, Time Series Forecasting, SAS, MATLAB

EXPERIENCE

- Directed end■to■end data analytics projects across e■commerce and fintech platforms.
- Implemented AI■driven recommendation systems to enhance customer experience.
- Optimized data collection frameworks, improving data quality and accessibility.
- Spearheaded cross■department collaboration to align analytics initiatives with business objectives.
- Mentored a team of analysts and drove continuous improvement in analytical processes.

- Led data analytics initiatives for large■scale financial audits.
- Designed and maintained SQL data warehouses for multinational clients.
- Applied advanced statistical models to detect anomalies and assess risk exposure.
- Coached junior analysts and provided methodological guidance.
- Delivered insights to client stakeholders via interactive dashboards and reports.

- Analyzed production and sales data to support supply chain optimization.
- Built dashboards in Tableau for real■time KPI tracking.
- Applied machine learning techniques to forecast demand and reduce inventory holding costs.
- Presented analytical findings to senior management to inform strategic decisions.

- Developed predictive models for cloud service usage patterns.
- Implemented large■scale data processing pipelines using Hadoop and Spark.
- Conducted statistical analysis to identify trends and anomalies in customer data.
- Collaborated with cross■functional teams to translate analytical insights into product enhancements.

EDUCATION

**PhD - Mathematics**
National University of Singapore, Singapore | 2012

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