

Sushant Pawar

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Summary Resume

Data Scientist with strong Statistical background and 4.5+ years of experience using Machine Learning, data processing, and Artificial Intelligence to solve challenging problems. Involved in R and Python open source community and passionate about deep reinforcement learning.

WORK EXPERIENCE

07/2015 – Till Date

Statistician, Datar Cancer Genetics Ltd , Pune

Responsibilities:

- Implementation of Artificial Intelligence in various projects
- Construction of statistical part in DOE.
- Performed Statistical analysis for various projects, trials, and research papers.
- Data visualization by using Kaplan-Meier, ROC curve, Clustering Heatmap, Dendrogram, Fish plot, Waterfall chart, OncoPrint, Balloon chart, Violin plot, Swarm plot, Donut chart, Forrest Plot.
- Developed various R codes to reduce manual work and time
- Implemented bioinformatics algorithms for NGS data analysis.
- Provide guidance to fellow team members
- Identifying patterns and trends in data sets using Machine Learning.
- Defining new data collection and analysis processes
- Analyzed and processed complex data sets using advanced querying, visualization and analytics tools.
- Provide MSExcel Training to entire Organization.
- Providing support in developing workflows and analysis pipelines for NGS projects.
- Designed an algorithm for cancer classification from RNA data using statistical techniques and Machine Learning algorithm like SVM and Clustering.

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| Tools Used | TensorFlow, YOLO(You Only Look Once), SVM(Support vector Machine),OneR (One Rule), Random Forest, Supervised Learning, Unsupervised Learning, Statistical Tests, Multivariate Analysis, PCA, Survival Analysis, Prediction Analysis, Image Processing, Precision and Accuracy Study, Correlation Matrix, Convolution Neural Network, Classification Algorithms, Cross Validation, Feature Selection methods, Clustering, Hierarchical Clustering, Regression, |
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| Research Papers Published | Circulating ensembles of tumor-associated cells: A redoubtable new systemic hallmark of cancer (Author) Encyclopedic tumor analysis for guiding treatment of advanced, broadly refractory cancers: results from the RESILIENT trial (Acknowledgement) |
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| EDUCATION | Master of Science in Statistics , K.T.H.M College Nasik, University of Pune 2013 – 2015 Bachelor of Science Specialization Statistics, Modern College Shvaji nagar, University of Pune 2010 - 2013 |
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| ADDITIONAL SKILLS | Microsoft Office package: Microsoft Word, Advance Excel, Power Point Presentation Familiar with Windows, Linux, Mac OS. |
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| Statistical software's | R programming, Basic SAS, Python, Weka, SPSS,Plotly, ShinyR, iPATHWAYGuide, Amazon Web Services, Prism graphpad |
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| Hobbies & Skills | Sketching, Paintings, DIY Projects, Solving Rubik's Cube, Riding Bike. Problem Solving, Quick Lerner, Handling Pressure, Team Worker. |
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