

About Myself...



Name	Kathirmani Sukumar
Currently	Data Scientist @Gramener (4.5 years)
Previously	Project Associate @IIT Madras (3 years)
Total Experience	7.5 years
Areas of Expertise	Data Visualization, Data Science, Exploratory Data Analysis, Web development, Python, R
Also involved in	Corporate / Academic trainings , workshops, talks
Current location	Bangalore
Email	Kathir.Sukumar@gmail.com
Mobile	+91-9701344400

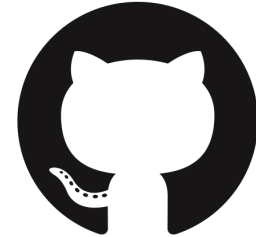
Social Media Profiles



<http://skathirmani.com>



<https://twitter.com/skathirmani>



<https://github.com/skathirmani>



<http://stackoverflow.com/users/1645853/kathirmani-sukumar>



<https://in.linkedin.com/in/skathirmani>

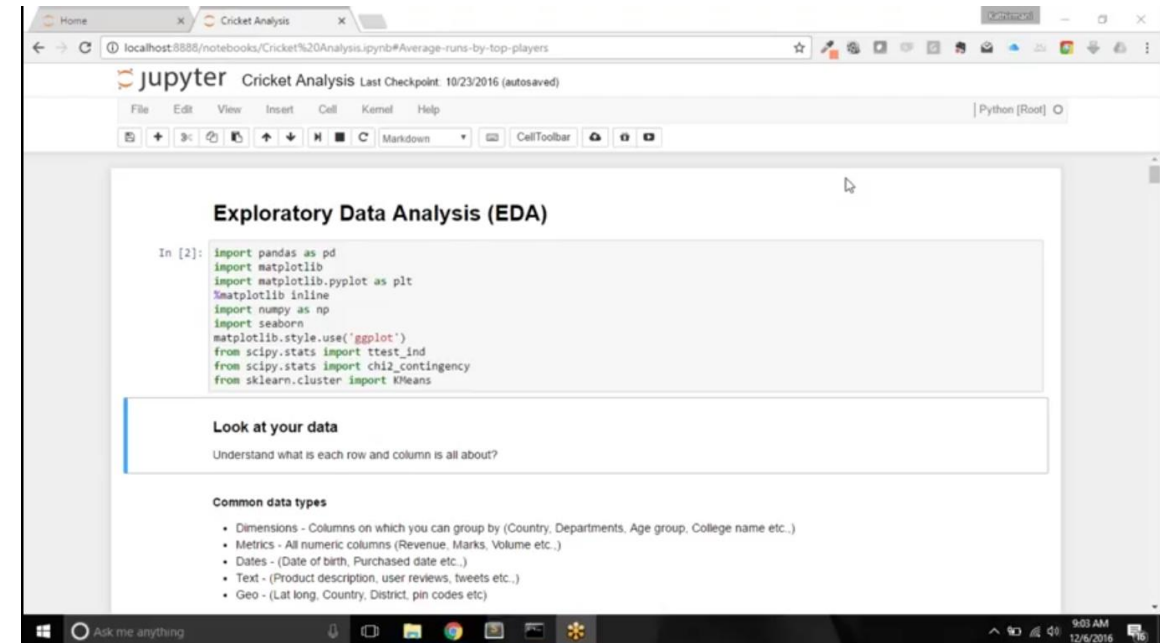
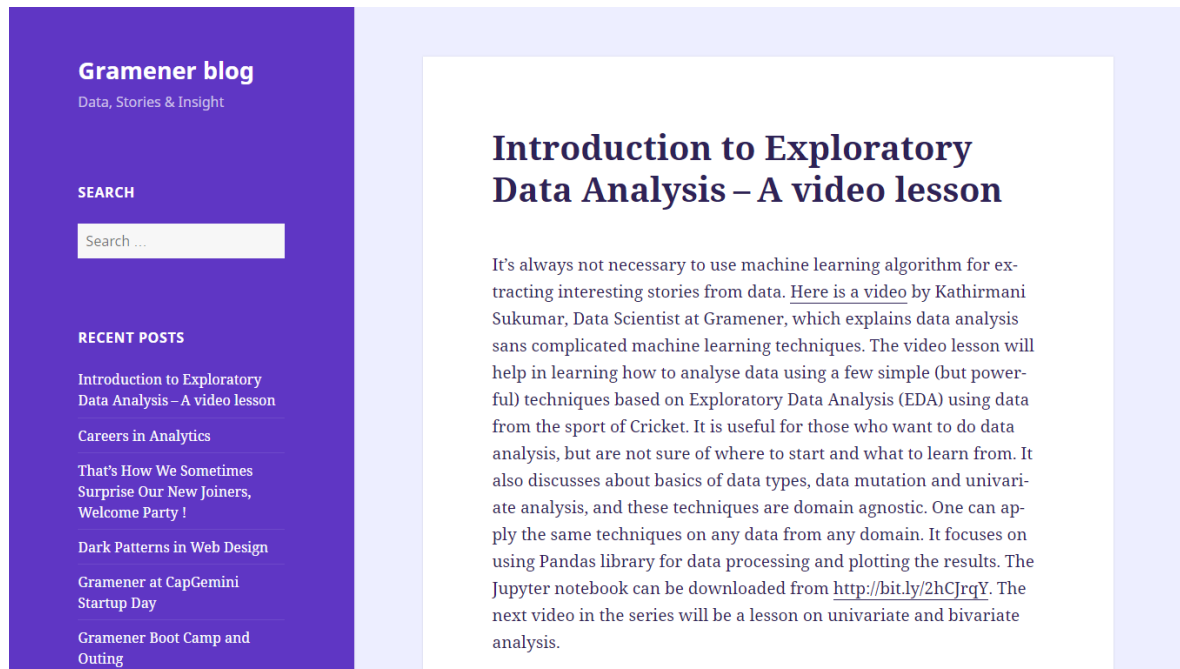
Talk at Amrita University on Exploratory Data Analysis



Talk at UpGrad on Data Science



Link: <http://blog.gramener.com/2514/introduction-to-exploratory-data-analysis-a-video-lesson>



Awards for the product that I am currently leading at Gramener



Received award from India's commerce minister Nirmal Sitharaman during Express IT Awards organized by Financial Express for the product that I am currently leading.



Received "Best Practices in Data Analysis & Strategy" in Big Data Analytics & Insights Summit



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Online data compression of MFL signals for pipeline inspection

S. Kathirmani^a, A.K. Tangirala^{a,*}, S. Saha^b, S. Mukhopadhyay^b

^a Department of Chemical Engineering, Indian Institute of Technology Madras, India

^b Control Instrumentation Division, Bhabha Atomic Research Centre, Mumbai, India

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ABSTRACT

The paper presents a novel three-stage algorithm for online compression of magnetic flux leakage (MFL) signals that are acquired in inspection of oil and gas pipelines. In the first stage, blocks of MFL signal are screened for useful information using a semi-robust statistical measure, Mean Absolute