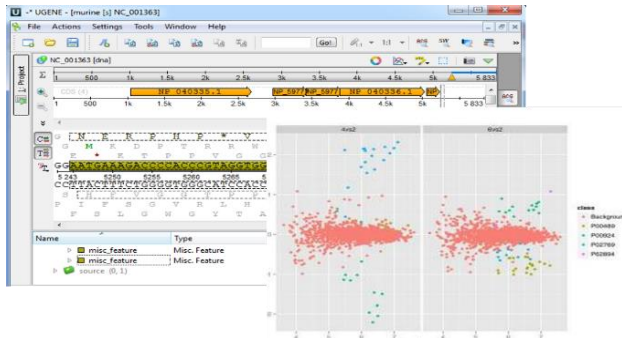
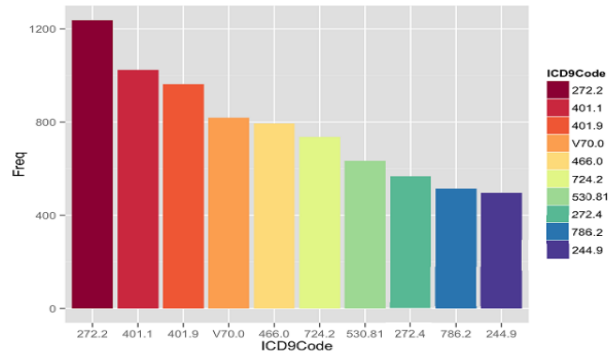


Smart Healthcare



KEY ENGAGEMENTS

- *Monitoring Hospital Supply Chain Operations* - Developed real-time KPI dashboards for a mid-sized hospital, US
- *Health risk profile analytics based on EMR, genome and imaging* - Designed a PoC for an accelerator program in US
- *API 2 KPI from open healthcare data public datasets* – Developed a PoC for the public policy administration based on predictive insights
- *Measuring health risks profile from environment data* – Developed an IoT based solution for Air Quality Monitoring
- *Chatbot as a lead management tool* – Solution developed for a leading hospital on data mining from lead conversations that happened using a chatbot



EMR Data Analytics (EDA)

Solution to address analytics on top of your Electronic Medical Records (EMR) system with BI on cloud.

- Setting up EMR analytics on cloud as per HIPAA compliance
- Predict outcomes ranging from mortality rates to re-admissions, length of stay (LoS) and diagnoses
- Predict patients at high risk of postoperative complications. Predictor variables for the models included comorbidities, outpatient medications, and demographics

Genomes Data Analytics (GDA)

Solution powered by R BioConductor, UGENE and ADAM on AWS as well as GCP.

- Data Mining in genomics/proteomics using R+Bioconductor/ UGEN/ADAM platforms
- Technical support in setting up and end to end data management of your genomics store
- Technical Support to handle DNA sequence reads, reference-based alignments, and variant calls (using Genomics API)

Deep Insights Analyzer (DIA) for Medical Images

Solution to help detecting anomalies in medical images using Neural Networks models

- NLP Models for Medical Research Datasets
- Deep Learning Workbench for Medical Imaging Analytics
- Predict Outliers/ Anomalies (Generate Risk Scores)
- Re-train the System (from Radiologists for Errors)
- Re-deploy training models (update the Model Registry)

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