ArabiStat

Statistical Analysis and Consulting

![ArabiStat logo]

ArabiStat
Statistical Analysis and Consulting
Approved from Egyptian Authorities
Under License
760-469-636

♦ **Analysis of Biological and HealthCare Data.**

About Us:

ArabiStat is a leading provider of statistical analysis services specializing in the analysis of biological and healthcare data. With a team of experienced statisticians and data scientists, we offer comprehensive solutions to extract valuable insights from complex datasets in the fields of biology and healthcare.

Why Choose Us?

♦ **Expertise:** ArabiStat team has Two majors: Post Graduate degrees in statistics and Post Graduate Degree in a medical field.

♦ **Time Saver:** ArabiStat uses Power of Programming with statistical analysis. Core of results is Submitted within 72 hours.

♦ **Consulting:** Consult ArabiStat before starting your research for better sampling and valid results

♦ **Designing:** If you Only Have data, ArabiStat can suggest best statistical Design for your work.

♦ **Confidentiality:** ArabiStat prioritizes client confidentiality and data security, implementing robust measures to safeguard sensitive information.

How you Receive the results?

Full analysis with tables, Figures and commenting as follows.

Table (): The correlation between different TPMT Genotypes and degree of WBCs Toxicity after 6 Months administration of 6-MP.

	WBCs				
	Normal	**Mild**	**Moderate**	**Sever**	
Wild	5(11%)	23(50%)	14(30%)	4(9%)	**0.01**[F]
Hetero	0(0%)	1(25%)	0(0%)	3(75%)	

In Hetero type about three quarters showed Sever toxicity 3(75%) and only quarter shows Mild toxicity 1(25%) whereas in Wild Type, the half of them showed Mild toxicity 23(50%) and nearly one third is Moderate Toxicity14(30%) and the rest are normal and sever [5(11%) and 4(9%) respectively]. The difference of toxicity between wild and hetero is statistically significant.
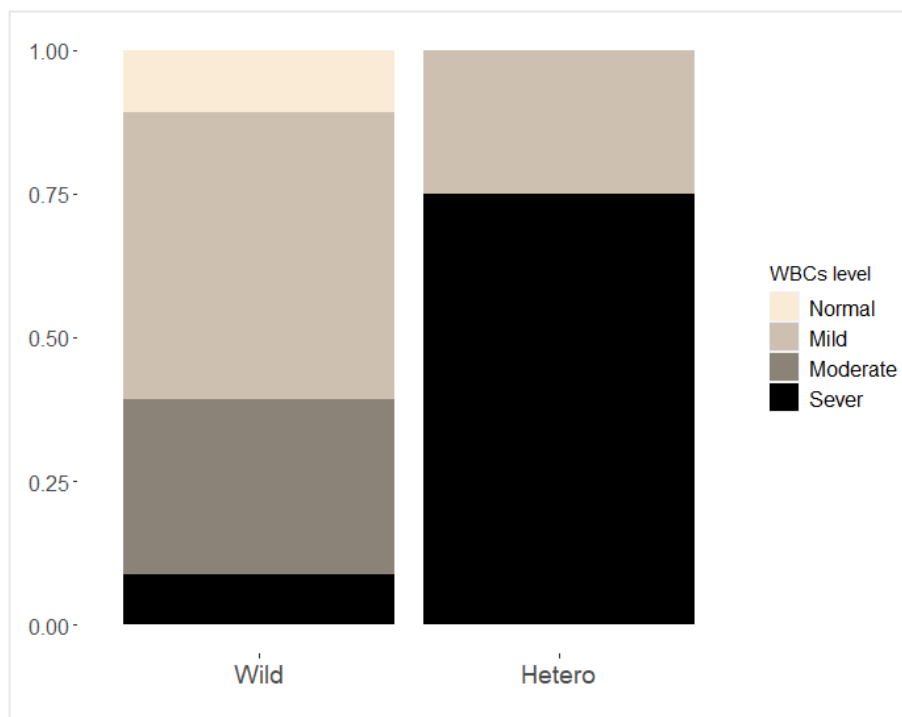

Figure (): Distribution of different level of toxicity of WBCs after 6 Months administration of 6-MP among different genotypes.

What types of analysis ArabiStat Can Do?

1. Simple Hypothesis testing (t-test, ANOVA, ...)
2. Advanced Hypothesis testing (ANCOVA, MANOVA, ...)
3. Survival Analysis
4. Factor Analysis
5. Linear Regression (simple, multiple, polynomial, Robust, Ridge, ...)
6. Count Regression (Poisson, negative binomial, ...)
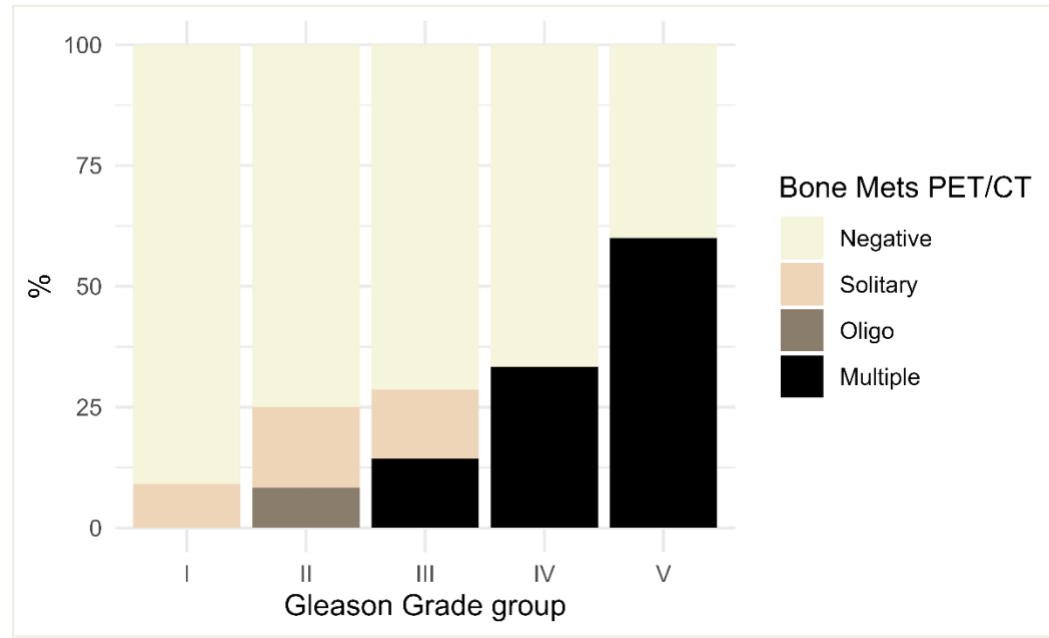7. Logistic Regression (Binary, multinomial, ordinal, ...)
8. AI Techniques

Key Industries Served:

- Pharmaceutical and Biotechnology
- Healthcare Providers
- Medical Research Institutions
- Government Agencies
- Biomedical Device Manufacturers
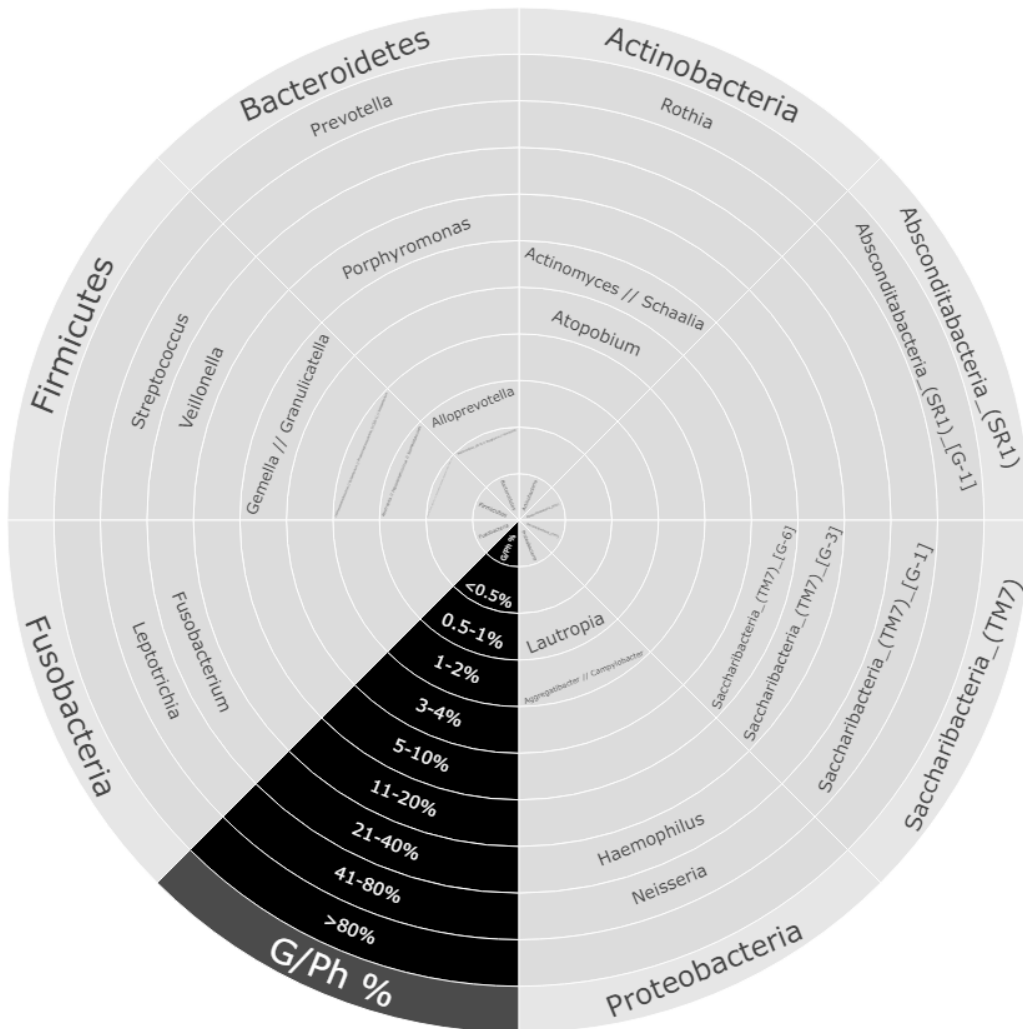- Academic Research

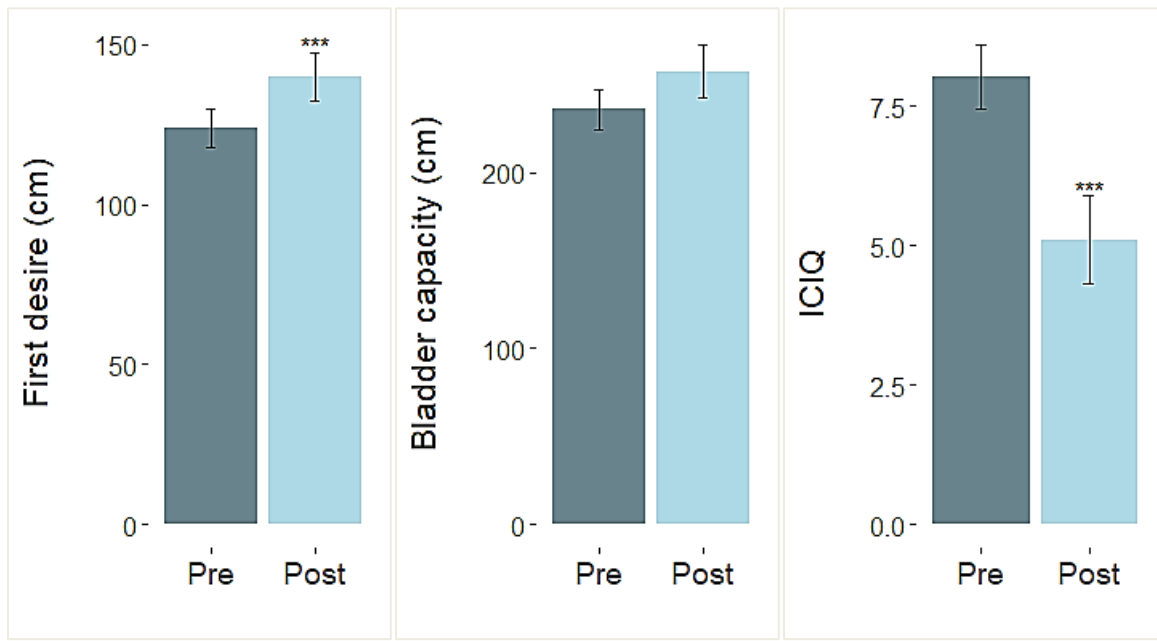# Project samples:
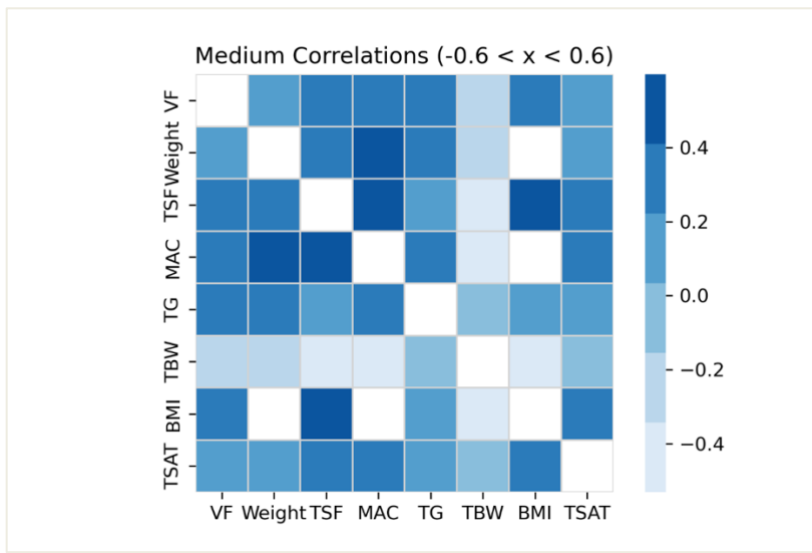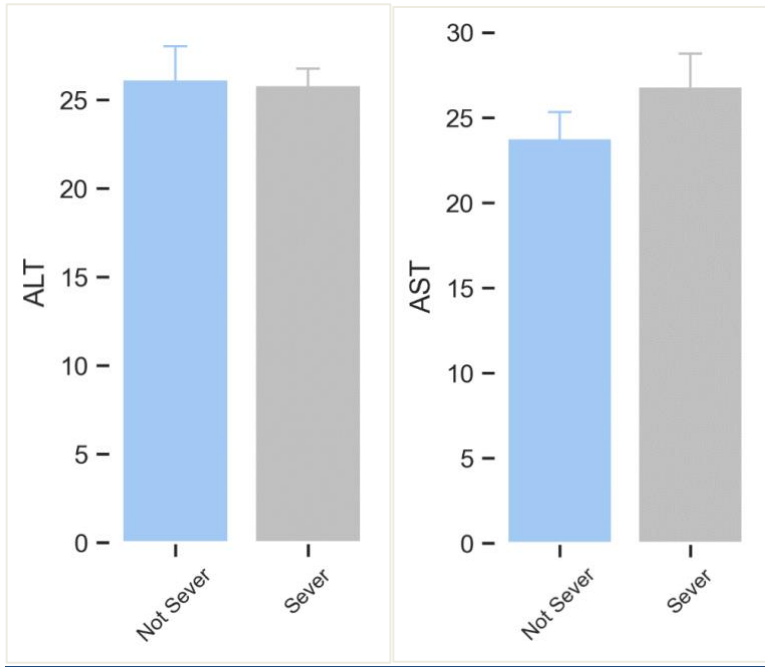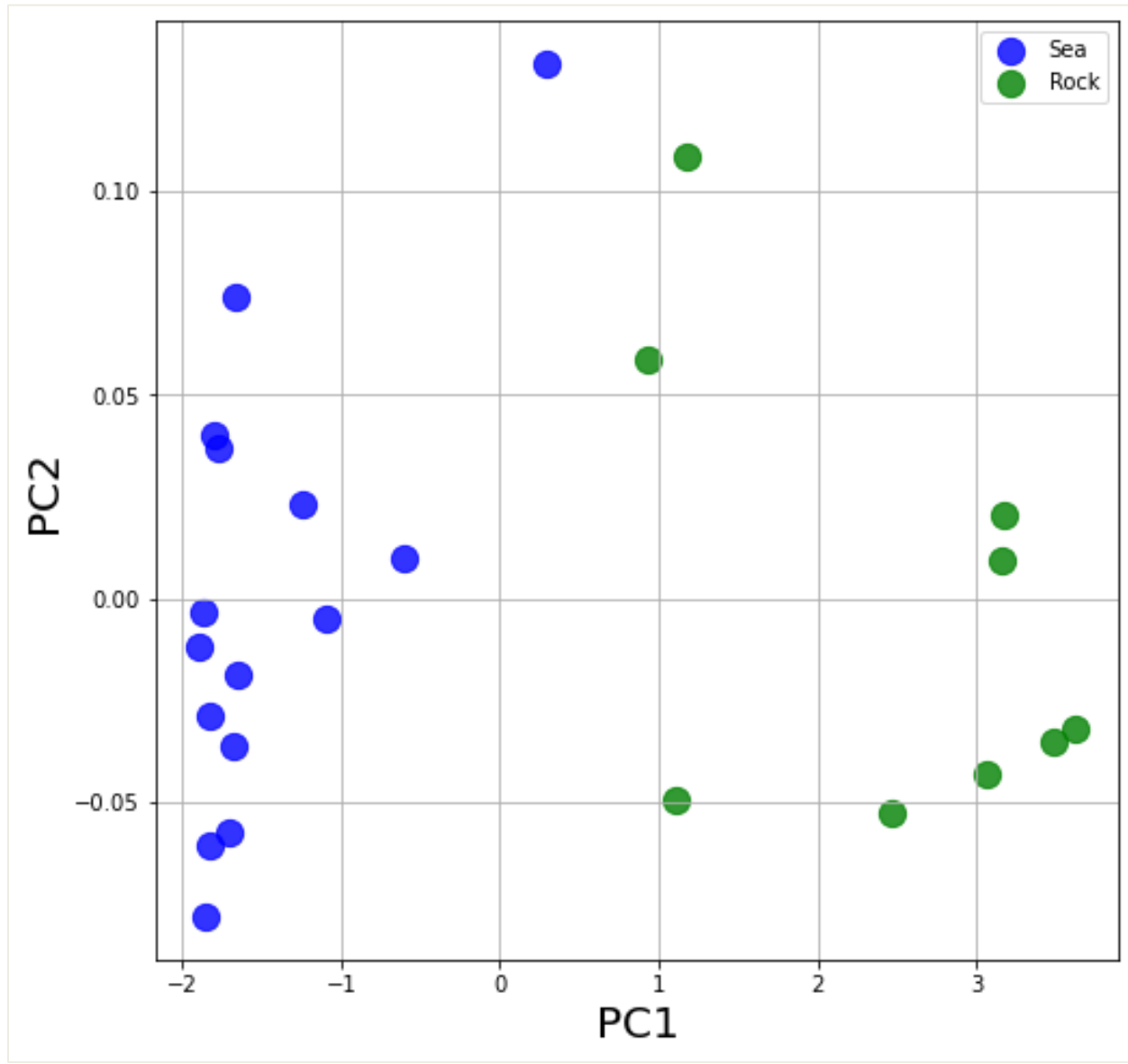
Dental Medicine

<u>Biochemistry</u>
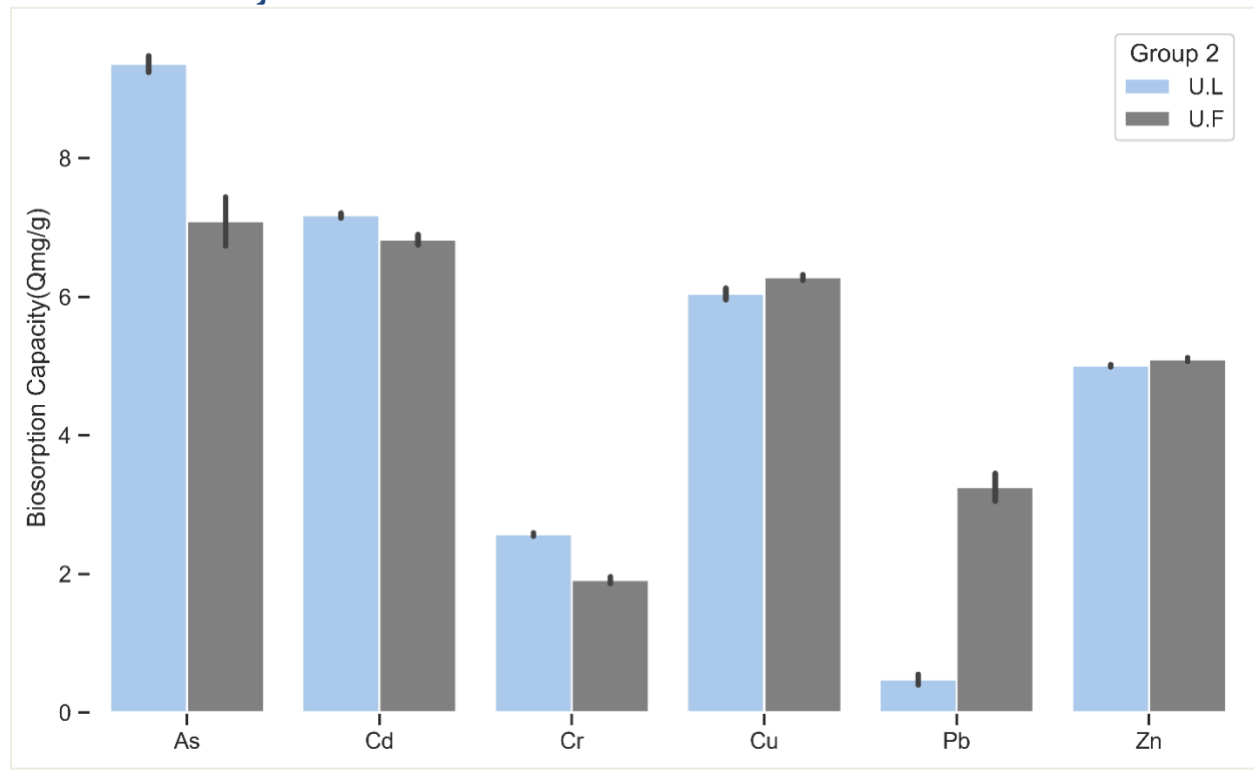
Microbiology

Gynecology

Internal Medicine

Medium Correlations (-0.6 < x < 0.6)

Biophysics

Biotechnology:
https://pubmed.ncbi.nlm.nih.gov/37756038/
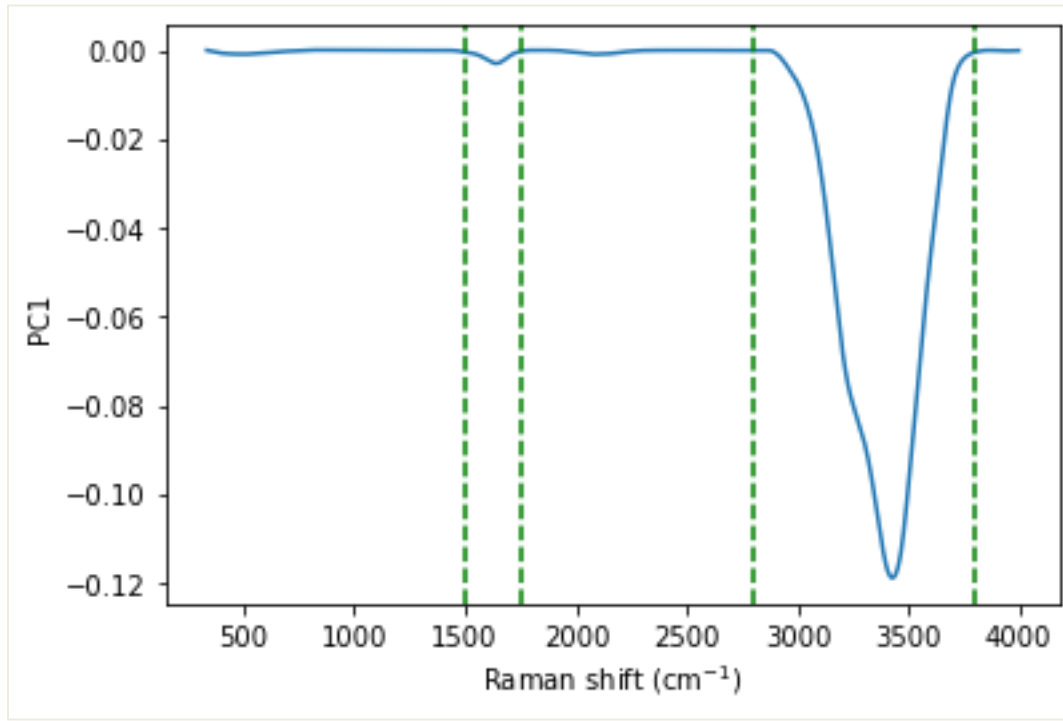
Artificial Intelligence Projects in healthcare Data Analysis (Confidential)

- Classification of special drugs through IR waves
- Predict the effective line of treatment in Cancer Diseases
- Analysis of Brain CT
- Hospital Data analysis

For More Information Don't Be Hesitate To Contact Us