**Title……**

Author Namea 1 , Author Nameb 1, and Author Namec 1

**Affiliations of authors:**

1 ……, Shanghai, China; 1 These authors contributed equally: ……;

**\* Correspondence authors:**

Author 1 (your\_email@mail.edu)

State Key Laboratory of Medical Genomics, Rui-Jin Hospital, 197 Rui-Jin Er Road, Shanghai 200025, China

Tel: +00-00-00000000

Fax: +00-00-00000000

## Abstract

Abstract text…….

**Keywords:** web service; data visualisation; data mining; risk models; translational medicine

## Introduction

Background 1……Exploring and mining multidimensional biomedical data originating from experimental assays, omics studies, and clinical observations have relied primarily on modern graphics and statistics [1]…….

Background 2 and unresolved problems….Nevertheless, typical downstream functions, including publication-ready scientific graphics and interactive data mining functions based on tabular data, are still lacking in these websites [2-4]…….

Core Challenges and possible resolutions….Notably, it is necessary to optimise web services during the overall website design and implement them with core features that could increase productivity and reduce time costs…….

To curb these challenges,……. Summary of core findings.

## Methods/Implementation

### Core components

Text…

### Algorithms

Text….

### Benchmarking steps

Text….

## Results

### Overview of ….

Text……

### Result of….

Text……

### Use cases

#### Use case 1: test1

Text……

#### Use case 2: test2

Text……

### Benchmarking….

Text……

### Other support result….

Text……

## Discussion

Background and issues….

Recent progress…..

Your works….

## Availability and requirements

**Project name:** …

**Project home page:** https://...

**Any restrictions to use by non-academics:** license required

## List of abbreviations

**A:** Aberrations

## Declarations

### Ethics approval and consent to participate

Not applicable.

### Consent for publication

Not applicable.

### Availability of data and materials

The website can be freely accessed at …..

### Competing interests

The authors declare that they have no competing interests.

### Funding

Funding 1 …..; Funding 2 …..

### Authors' contributions

xxxx designed and supervised the study. xxxx designed and implemented the web service. xxxx contributed the command-line tool. xxx developed the …. xxx wrote the manuscript and other co-authors critically reviewed and modified the manuscript.

### Acknowledgements

The authors are grateful and indebted to ….

## References

1. O'Donoghue SI, Baldi BF, Clark SJ et al. Visualization of Biomedical Data, Annual Review of Biomedical Data Science, Vol 1 2018;1:275-304.

2. Jalili V, Afgan E, Gu Q et al. The Galaxy platform for accessible, reproducible and collaborative biomedical analyses: 2020 update, Nucleic Acids Res 2020;48:W395-W402.

3. Yousif A, Drou N, Rowe J et al. NASQAR: a web-based platform for high-throughput sequencing data analysis and visualization, BMC Bioinformatics 2020;21:267.

4. Cerami E, Gao J, Dogrusoz U et al. The cBio cancer genomics portal: an open platform for exploring multidimensional cancer genomics data, Cancer Discov 2012;2:401-404.

## Figure legends

**Fig. 1. Overview of …..** More detail information.