

## Risk Register

ID	Description of Risk	Impact	Risk Response	Risk	Risk owner
RR1	Slow loading times with large datasets	Delays in data analysis and poor user experience	Use efficient libraries, caching mechanisms, and sampling options	High	Development Team
RR2	Scalability challenges.	Inability to handle high data or user load	deploy on scalable platforms and use data streaming techniques	High	Infrastructure Lead
RR3	Data privacy and security	Exposure of sensitive user data	Avoid permanent storage, use HTTPS, and include privacy disclaimers	High	Security Officer
RR4	Data compatibility issues	App crashes or analysis errors	Validate file formats and implement error handling.	Medium	QA Engineer
RR5	Feature misuse or confusion	Misinterpretation of analysis results	Add tooltips, default settings, and example datasets.	Medium	Product Manager
RR6	Dependency issues	App functionality breaks due to library updates	Use virtual environments, test regularly, document versions.	High	DevOps Engineer
RR7	Limited customization	Users unable to meet specific analysis needs	Allow export of results and develop modular options for extensions	Medium	Product Manager
RR8	User interface (UI) challenges	Poor user adoption and satisfaction	Use consistent layouts, gather beta user feedback	Low	UX/UI Designer
RR9	Legal and ethical risks	App misuse for unethical purposes	Include ethical usage disclaimers and ensure unbiased data handling	Medium	Compliance Officer
RR10	Debugging and maintenance	Bugs disrupt the user experience	Thorough testing, and debugging tools	High	QA Engineer