



## Innova's Data Science Platform (iDSp):

### Revolutionizing Healthcare with Data-Driven Insights



In today's data-rich healthcare environment, the challenge lies in harnessing vast amounts of sensitive and complex data to improve patient care, streamline operations, and drive innovation. Innova Solutions' Data Science Platform (iDSp) is a transformative solution tailored to the unique demands of the healthcare industry. It enables organizations to unlock actionable insights leveraging AI/ML while ensuring data security and compliance.

## iDSp Accelerators: Empowering Healthcare Transformation



### Data Mechanic: Foundation for Clean, Usable Data

Data Mechanic transforms raw, unstructured data into clean, standardized datasets, serving as a crucial starting point in the data pipeline.

- **Data Cleaning & Transformation**  
Clean and enrich your data to ensure it is analysis-ready
- **Low/No-Code Interface**  
Empower non-technical users to perform complex data wrangling tasks without writing code
- **Advanced Data Preparation**  
Leverage features like data imputation, outlier detection, and data normalization

### Data Lens: Visualize Healthcare Insights

Data Lens offers rich, interactive data visualization capabilities, making it easy to explore and communicate insights effectively.

- **Interactive Dashboards**  
Create custom dashboards to identify trends and explore your data
- **Diverse Chart Types**  
Choose from a wide range of data visualization options
- **Data Exploration**  
Drill down into your data to uncover hidden insights

## Key Features

- **Unify Healthcare Data:**  
Seamlessly integrate claims, clinical, EHR, and operational data—both structured and unstructured—for comprehensive analysis and actionable insights
- **Tailored Solutions, Fast Results:**  
A modular platform designed to support population health, risk adjustment, and value-based care, delivering rapid, impactful results
- **Flexible Deployment:**  
Deploy via API, cloud, or on-premises to ensure seamless integration with existing healthcare IT infrastructure while maintaining regulatory compliance (HIPAA, HITRUST)
- **Scalable for Healthcare Demands:**  
Built to grow with increasing patient data volumes, ensuring high-performance analytics across payers, providers, and health systems
- **Effortless EHR & Claims Integration:**  
Connects smoothly with existing EMRs, claims processing systems, and analytics workflows to enhance operational efficiency and maximize ROI







## Model Investigator: Accelerate Predictive Analytics

Model Investigator automates and accelerates AI/ML workflows for faster deployment and insights.

- **Automated Model Selection**  
Run multiple ML models simultaneously and select the best one for your use case
- **Customizable Models**  
Build and tailor models for tasks such as classification, regression, and time series forecasting
- **Model Deployment**  
Deploy models into production for real-time insights



## Key GCP Native Components

	<b>GCP DataPrep</b> : Used by the Data Mechanic component for data cleansing and transformation
	<b>BigQuery</b> : Serves as the data repository for iDSP
	<b>Cloud SQL</b> : Stores application and configuration data for iDSP
	<b>Vertex AI</b> : Provides model training and deployment for ML Investigator
	<b>Looker</b> : Powers Data Lens for interactive and exploratory data analysis
	<b>Streamlit</b> : Delivers an intuitive UI for iDSP

## iDSP in Action: Transforming Healthcare Outcomes

The healthcare industry deals with highly sensitive data, from patient records to clinical trials, requiring secure handling and advanced analytics to improve care.

- Data Mechanic ensures patient records are clean and standardized for research or clinical use
- Data Lens tracks patient outcomes, hospital performance metrics, and clinical trial progress in real-time
- Model Investigator builds predictive models that forecast patient outcomes and resource allocation needs

### BUILT USING iDSP

Medicare Advantage



Opioid Dispensing



Price Transparency



### ADDITIONAL USE CASES

Claims Intake



Claim Fraud Analytics



HL7v2 Data Handling



Care Management





## Benefits: Accelerating Your Data Journey with iDSp

- **Improve Data Quality:** Ensure your data is clean, consistent, and accurate
- **Gain Deeper Insights:** Uncover hidden trends and patterns within your data
- **Make Data-Driven Decisions:** Use insights to inform your business strategies and improve operations
- **Accelerate Time to Value:** Reduce the time it takes to extract value from your data
- **Enhance Data Security:** Protect your sensitive data from unauthorized access and breaches

## Ready to Transform Your Healthcare Outcomes?

With its cutting-edge tools, seamless GCP integration, and tailored approach, iDSp is your partner in delivering transformative healthcare solutions.

**[Take the next step in your data journey. Contact us!](#)**



[www.innovasolutions.com](http://www.innovasolutions.com)

### About Innova Solutions

Innova Solutions is a trusted global technology partner specializing in transformative digital solutions for complex, real-world challenges. With teams across North America, Europe, & APAC, we blend exceptional talent and advanced technologies to enhance operations and drive sustainable revenue growth for our customers. Partnering with technology leaders who share our passion for bold innovation, we deliver cutting-edge solutions such as generative AI, data & analytics, cloud computing, digital product engineering, and cybersecurity. Since 1998, we've proudly supported leading organizations across critical industries—including Banking & Financial Services, Healthcare, Insurance, and Communications—with sector-specific solutions to tackle evolving business needs.

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