Knowledge Hub is a browser-based platform offering team-driven data preparation and a centralized data marketplace to speed collaboration and drive governance across the enterprise.

Self-service analytics tools promised to make end users more agile and data-driven. However, the increased agility led to siloed and disconnected work as part of an ungoverned data free-for-all. Knowledge Hub addresses these issues with a pragmatic solution that benefits business users while simplifying and improving governance for IT.

**Benefits**
- Optimizes analyst productivity
- Fosters a data-driven culture across the enterprise
- Removes the burden on IT
- Connects data silos
- Encourages analytical contributions
- Simplifies data discovery
- Improves data quality
-Eliminates duplicate data & work

**Data Preparation for Everyone**
Knowledge Hub is the only data preparation solution to combine simple but powerful data preparation with a collaborative, browser-based interface.

Knowledge Hub:
* expands data access
* eliminates coding and scripting from data cleansing and data transformation commands
* simplifies data blending
* automates repeatable processes in a collaborative environment, enabling everyday users to overcome any report creation or analytics challenge.

Knowledge Hub is the only data prep solution that offers an interchangeable flow view and grid view of data preparation tasks to accommodate various user preferences and use cases.

**Centralized Data Marketplace**
In many organizations data preparation tasks are completed on individual desktop systems. This leads to siloed work efforts and inefficiencies. Knowledge Hub's innovative web-based interface facilitates a collaborative environment where datasets are shared, governed, and secured. A dedicated, centralized enterprise data marketplace allows data experts across the business to share raw and curated datasets, reports, models, workspaces and more. This aids in breaking down data silos, eliminates duplication of work and improves data validity across the enterprise.

Learn more: [altair.com/knowledgeworks](http://altair.com/knowledgeworks)
Controlled Collaboration and Governance

Governance capabilities in Knowledge Hub remove data access concerns and burdens for IT by increasing end-user agility without compromising data integrity. Credential settings allow administrators to give or restrict access to data, workspaces and business models based on predefined rules. In addition, data lineage, activity logs and complete digital fingerprints allow administrators to always have clarity into who accesses data, what they do with it and how they change it.

Data Socialization

Knowledge Hub is the first data preparation solution to integrate “ML-based” crowdsourcing features to speed and improve collaboration across the enterprise. Knowledge Hub delivers a Netflix-like experience for your organization's data.

Shares, comments, likes, follows and subscriptions are aggregated to deliver intelligent recommendations that power better data discovery, promote collaboration and ensure trusted data is being used in analytics. The introduction of data socialization to data preparation fosters a more productive and efficient culture of data-driven decision-making.

Gamification and Visibility

Everyone likes to be recognized for their hard work. In Knowledge Hub, all contributions (datasets, business models, etc.) are clearly labeled with the creator, likes, shares, approvals, rankings and times used, making it easy to recognize and reward individuals who make strong impacts on organizational insight.

Data preparation, predictive analytics combined

The tight integration between Knowledge Hub and Altair’s predictive analytics platform, Knowledge Studio streamlines data preparation tasks required to build predictive analytic and machine learning models. Governance and lineage protocols are followed. Data scientists and business analysts can easily find curated and trusted data sets to build their analytic models from. Insight is shared across the entire organization.

Knowledge Hub gives you access to more data that you can trust and believe in, and that empowers you to win minds and transform your business.

More Data

Our heritage in self-service data preparation means that with Altair, you can access more internal, external, and enterprise-wide sources of data. More files, apps, and databases. More big data. More data from PDFs, XML and HTML. More of your deepest, darkest, most unstructured data. Altair makes it all usable and repeatable, maximizing the breadth, integrity, value, and insight you get from your data, no matter the origin, format or narrative.

More Minds

Knowledge Hub tears down walls between individuals, disciplines and offices to create new levels of enterprise-wide insight, socialization, trust and progression. More people are free to explore more avenues. Teams can collaborate on the models, predictions and recommendations of their peers with precision, efficiency and agility. And people and information alike become invaluable in their ability to move a business forward.

More Trust

More data doesn't have to mean more chaos. With Knowledge Hub, gone are the self-service silos, duplications, and versioning errors that create dubious analytics. In their place are data integrity, user lineage and control that empower the right people with the ability to utilize the right data and lock down the wrong people from using the data they shouldn't. The result is greater confidence that leads to bolder insights, braver progression and smarter outcomes for individuals and organizations alike.

Use Cases

- Self-Service Data Prep
- Centralizing & Controlling Data Assets
- Enforcing Data Governance
- Ensuring Data Quality
- Implementing Data Stewardship
- Collaborating on Analytics
- Automation & Scheduling

Related Reading:
Knowledge Hub for Data Scientists

Features

- Visual, code-free data prep
- Creates a marketplace of trusted data
- "Digital fingerprinting" of data usage
- Intuitive search and social features (e.g., like, subscribe, follow)
- Machine learning recommendations — new datasets and data prep steps
- Gamification to reward participation
- Support for any data type
- Highly performant hybrid architecture (Microsoft & Linux support)
- Browser-based & built for the cloud
- Integrates with your infrastructure (LDAP, SSO, AD)