



3DEXPERIENCE®

RESULTS DATA ANALYST

3DEXPERIENCE USER ROLE

3S SIMULIA Results Analytics

3DEXPERIENCE® R2017x

Collaborative
Trade-Off Analysis

**3S DASSAULT
SYSTEMES**



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RAPIDLY TRANSFORM LARGE DATA INTO VERIFIABLE DECISIONS

A data post-processing and collaborative decision support tool for all analysts that needs to rapidly go from large data to verifiable decisions

Whether data is generated from simulation or physical test, customers continue to generate large amount of data that requires Results Analytics to post-process, visualize, and analyze trade-offs. Users can now unlock their data to collaboratively answer common questions, such as "What if?" or "What is my best option?" while retaining decision history and reference material in one place.

Decisions need to be made at anytime from anywhere across the enterprise. Users can easily access on premise or cloud data from any device via mobile web. Users can explore their data by applying filtering and customizable ranking engine, predict better outcomes using analytics, and then compare alternatives in 3D, leveraging lightweight viewers. Users can then share their analysis via an interactive report and collaborate with decision makers with discussion threads and preference trades in order to explicitly and transparently evaluate scenarios.

Easier Data Preparation

Rapidly Map & Merge Data for ANY PLM Object before Analyze Large Data Problems.

Analyze Large Data Problems

Post-process and visualize large data using analytics and heavy computing.

Predictive Insights

Leverage data investment by generating mathematical models for predictive insights. Share predictions via approximation object, FMUs, or co-efficient file.

Collaboratively Compare Multiple Options

Compare multiple options, such as designs, in one place from anywhere on any device and improve decisions by collaborating with stakeholders.

Fact Based Driven Decisions

Explicit design ranking and trade-offs for multi-objective problems.

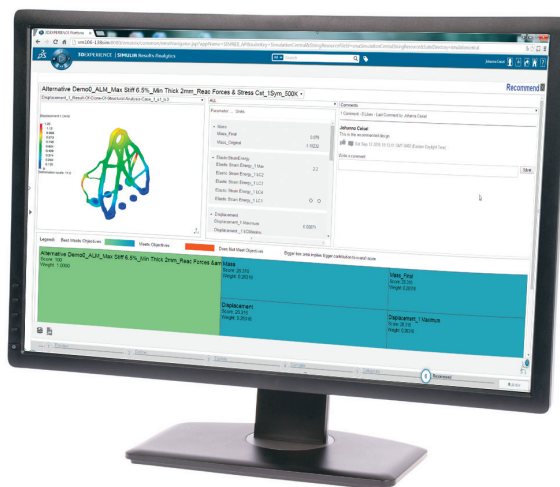
User Role Highlights

- Design of Experiment and Optimization Analysis: Transform and unlock patterns from large simulation data to find the best design. Validate optimization results and convergence by playing through parameter history with respective images
- Requirement Analysis: Rigorously assess and rank designs against requirements from TRM, using hierarchical, multi-criteria decision making methods. Observe how changes to preferences and requirements effect feasibility and preferred solution
- Collaborative Design Comparison: Drive fact based decisions by collaboratively comparing designs via KPIs, images, and 3DXML accessed from anywhere via mobile web and/or cloud (FD04). Improve decisions by capturing the collective intelligence of decision makers using discussion threads, annotations, and multi-viewing all in a traceable "analysis" data object
- Approximation & FMU Generation: Rapidly abstract large simulation data into accurate, higher order mathematical models using approximation methods. Share as approximation object for traceability or FMU format for interchangeability

- Custom Analysis: Analyze results through custom pages and capture best practice analysis methods
- Insight Co-Existence: Accelerate innovation by enabling more end users to access and analyze simulation process results via a web



Compare Variants via any image, movie, file and light weight viewers.



Improve decisions through collaborative decision support.

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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