Sierra Systems
an **NTT DATA** Company

Sierra Systems'
AI Readiness in 5 Days

"What can I do with AI?"

Uncertain how AI can be used in your business? Most organizations can easily identify inefficient areas of their business but find it hard to understand how AI can help. Sierra Systems takes the worry out of investing in advanced analytics with our *AI Readiness in 5 Days*, resulting in your custom *AI Readiness* report.

Our award-winning AI experts will directly relate current machine learning capabilities, true costs, and future trends to your organization's data. By ranking practical use cases designed for your business needs, Sierra Systems, an NTT DATA Company, puts you in control of your AI future.

Preparing My Organization for AI

Learning if your systems, processes, and people are ready for AI only requires curiosity and an understanding of your data. In five days, Sierra Systems helps you zero-in on the pre-trained models, visual tools, and AI frameworks that best match your needs. We guide your selection, by helping you develop appropriate business uses cases, combined with our expertise of the latest AI advancements.

Your AI and use case selection is then solidified with a two-day data readiness check, reviewing your data against minimum quality standards and expectations.

On the fifth day, your AI Readiness report maps the risks of data bias, data quality, common data risks, and necessary AI maintenance, specifically-tailored to your environment and AI technology choice.

The investigation ends with your organization holding a clear, actionable, and realistic approach to introducing AI and machine learning to existing workflows.

Bringing AI Into My Organization

To bring your new technology to bear, the recommendations from the AI Readiness report can launch Sierra Systems' agile *AI-in-5-Days* challenge, introducing AI capabilities in a production environment. Your team also learns how to maintain these new features so that your system is immune to data drift.

AI Agnostic Vendor

Sierra Systems is a trusted IT advisor, able to provide detailed support for all dominant AI vendors:

- Microsoft
- Oracle
- Amazon
- IBM
- Open source

Sierra Systems' AI Readiness in 5 Days

Our *AI Readiness In 5 Days* starts with an open presentation on what machine learning is. This in-person presentation dispels the myth that AI is out-of-reach and explains the "*fallacy of perfection*" in predictive modeling.

Each day adds more knowledge to your team, helping guide recommendations and reviews.

DAY 1 - Education

- **AI Introduction** - AI trends & capabilities (90 *min.*)
- **AI Demos** - (*3-10 persons*)
- **Business Case Workshop 1** - defining potential AI use cases (*3-10 persons*)

DAY 2 - Prime Method

- **Business Case Workshop 2** - filtering potential AI use cases to review (*3-10 persons*)
  - ranking of use cases
  - intro to AI categorization
  - matching a Machine Learning method to each case study
  - selecting prime use case
  - confirming accuracy levels
- **Intro to Data Analysis** (1 SME)

DAY 3 - Data Analysis

- **Data Analysis** - Scrutiny of required data sources (1-3 SMEs)
- **Data Readiness** - confirming adequate volume quality and stability (1-3 SMEs)
- **Ethical Review** - Interview on ethical process, bias avoidance (1 SME)

DAY 4 - Prime Candidate

- **Promotion** - ranking selected use cases
- **Selection** of prime AI use case
- **Technology Selection** - based on best-fit to requirements
- **Data Workshop** - Sierra-led data analysis tutorial (1 SME)

Machine Learning Methods

From the thousands of methods available, the best algorithm will answer the specific "data ask":

- *Is this A or B ...?* (Classification)
- *Is this data outside the norm?* (Anomaly detection)
- *How much/how many is this?* (Regression)
- *How is it organized?* (Clustering)
- *What should I do next?* (Reinforcement learning)

DAY 5 - AI Readiness Report

- **Report** - *AI Readiness report*:
  - AI "Low-hanging fruit"
  - Example visualizations
  - Jupyter notebook
  - Potential data risks
  - Recommended technology
  - Where AI lives, maintenance

Technology Selection

Technology selection should fit the existing environment, data readiness, budget, and most of all, best address the question asked by your business.

Build a custom AI solution?

Use a pre-built AI service / solution?

Engine: AWS, IBM, Microsoft, or Oracle.

Which experience do you want?

Code-first

Visual tooling

Engine: Cloud AML Studio

What is the deployment target?

On-Premises

Cloud

Engine: Hadoop (On-Premise), or SQL Server.

Engine: Spark, SQL Server, Hadoop, DSVM, Azure Batch, Azure Container Service

Proven AI Expertise

Sierra Systems has already installed image recognition, natural language tools, and classification systems across Canada - with award-winning results and massive ROIs. Learn more about the depth of AI available today by contacting your local account representative.

Accelerating IT

Contact us to learn more about our award-winning and innovative solutions:

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