



# AI+ Foundation™

Certification



## AI + Foundation

### Module-5

#### Hands on 1:

**Title:** Mapping AI's Impact Across Industries.

**Problem Statement:**

You are preparing a research brief for a technology conference focused on the future of industries. Choose two different industries (such as healthcare, manufacturing, finance, or education) and research how AI is reshaping their workflows, business models, and job roles. Create a visual map or infographic showing before-and-after scenarios and highlight areas where human-AI collaboration is driving the most innovation.

**Objective:**

To analyze and compare the impact of AI on workflows, business models, and job roles in two distinct industries—healthcare and manufacturing—and to create a visual map or infographic illustrating before-and-after scenarios, emphasizing areas of transformative change and human-AI collaboration driving innovation.

**Tools to be used:**

1. Interactive dashboard using **streamlit**



**Step to be followed in detailed manner:**

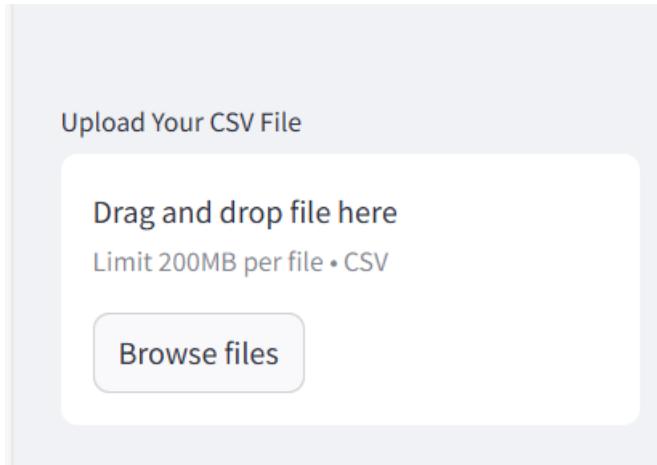
**Step-1: Now upload the dataset provided here:**

<https://drive.google.com/file/d/1jNodgU5S6XPv4wDmPqYkUw0tXmbOTUn/view?usp=sharing>

**Step – 2: Click the link below and upload the dataset file as provided in each module section.**

**Check it:** [https://interactivedashboard.aicerts.ai/AI\\_Foundation\\_Lab\\_5\\_AI\\_Adoption](https://interactivedashboard.aicerts.ai/AI_Foundation_Lab_5_AI_Adoption)

## Sample Output:



A screenshot of a dashboard titled "AI Adoption Analysis Using AI". On the left, there is a sidebar labeled "Filters" with a "Upload a CSV file" section. This section contains a "Drag and drop file here" field, a "Limit 200MB per file • CSV" note, and a "Browse files" button. To the right of the sidebar, the main content area has a title "AI Adoption Analysis Using AI" with an AI icon. Below the title is a section titled "Objective:" with an objective icon. A bulleted list of objectives is provided:

- Understand AI adoption trends across industries
- Identify most adopted AI technologies
- Visualize job roles impacted by AI
- Compare efficiency gains by industry
- Analyze impact of cost savings from AI adoption
- See how different AI models influence insights
- Enable non-technical users to explore data via filters
- Allow download of filtered results

At the bottom of the main content area, a message says "Please upload a CSV file to proceed."

- Now check the dashboards with all the filters on the left-hand side

**Filters**

Upload a CSV file

Drag and drop file here  
Limit 200MB per file • CSV

Browse files

Synthetic...  
71.5KB

Select AI Model

Logistic Regression

Industry

All

Adoption Status

All

Select Cost Savings (%)

Range  
5.00 29.00

Selected Range: 5% - 29%

# AI Adoption Analysis Using AI

## 🎯 Objective:

- Understand AI adoption trends across industries
- Identify most adopted AI technologies
- Visualize job roles impacted by AI
- Compare efficiency gains by industry
- Analyze impact of cost savings from AI adoption
- See how different AI models influence insights
- Enable non-technical users to explore data via filters
- Allow download of filtered results

## 📋 Filtered Data Sample

	Industry	adoption_status	ai_technology	job_role	New Ro
4	Healthcare	Pre-Adoption	Robotic Process Automation	Portfolio Managers	No
5	Finance	Full Adoption	Natural Language Processing	Accountants	No
10	Healthcare	Partial Adoption	Natural Language Processing	Portfolio Managers	No
15	Healthcare	Full Adoption	Computer Vision	Nurses	No
17	Finance	Full Adoption	Computer Vision	Doctors	No

Total Records: 122

Selected Model: [Logistic Regression](#)

- Now, Apply the different AI model, Industry, Adoption Status, Cost Savings (%) that are used as filter.

Select AI Model

Logistic Regression

Industry

All

Adoption Status

All

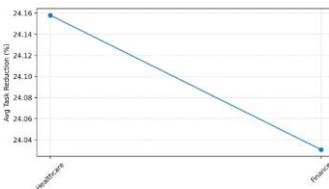
Select Cost Savings (%)

Range  
5.00 29.00

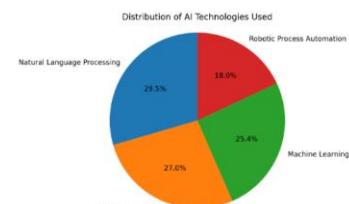
Selected Range: 5% - 29%

Deploy

## 📈 Avg Manual Task Reduction by Industry

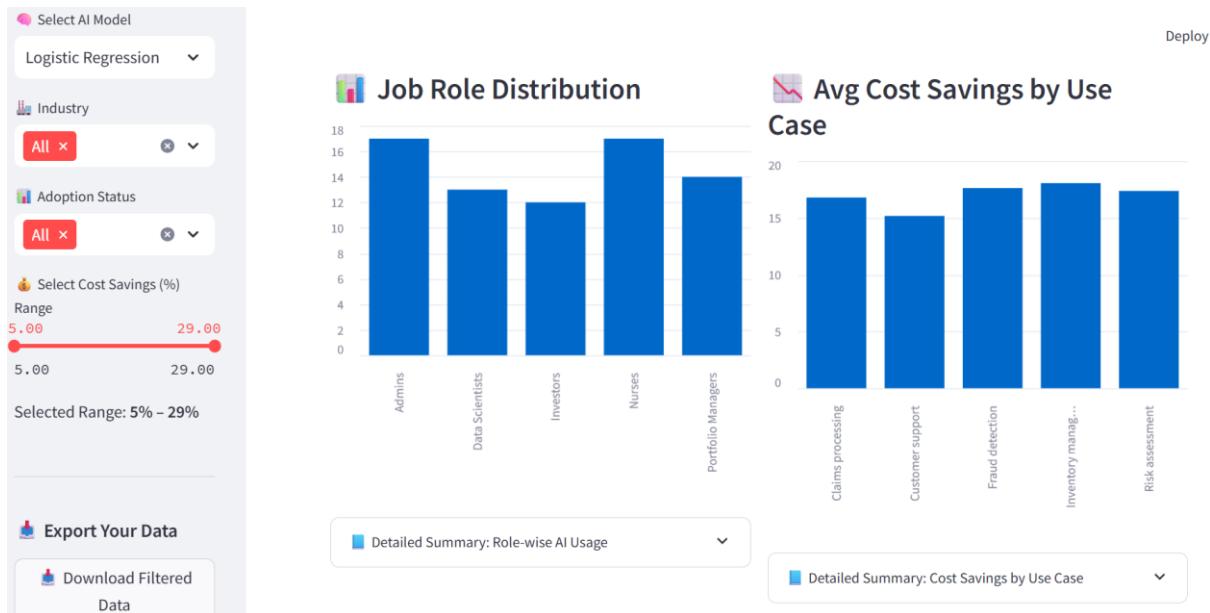


## 🤖 AI Technology Distribution



Detailed Summary: Task Reduction Trend

Detailed Summary: AI Technology Use



## 🧠 Key Insights at a Glance

- ⬆️ Most efficient industry: **Healthcare** with **24.2%** improvement
- 🤖 Top AI technology used: **Natural Language Processing**
- 👤 Top job role using AI: **Admins**
- 💰 Average cost savings: **17.0%**

Use these insights to prioritize AI deployment, training, and process automation.



[aicerts.ai](http://aicerts.ai)

**Contact**

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