

AI and the Enterprise



Assignment 1: Image and Text Analysis

Using the provided code, complete the following tasks to practice **image captioning**, **text analysis**, and **PDF (image and text) analysis**.

Tasks

1. Image Captioning

1. Choose an image with identifiable elements (e.g., objects, people, scenes).
 2. Use the `generate_caption` function to create a description.
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2. Text Analysis

1. Use a `.txt` file with at least **300 words**.
 2. Run the `analyze_text` function to analyze the content.
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3. PDF Analysis

1. Use a **PDF** with text and images (at least 2 pages).
 2. Run the `analyze_pdf` function to extract and analyze the text and generate image captions.
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4. Deliverable

- Share the image, extracted caption, text and PDF analysis.
- Evaluate on the accuracy of the analysis for each of the three use cases.
- Reflection:
 - How accurate and insightful were the outputs?
 - What were the limitations?
 - What business use cases could this apply to?

