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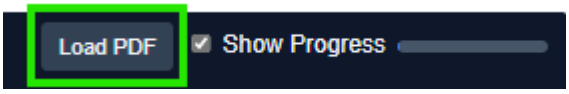

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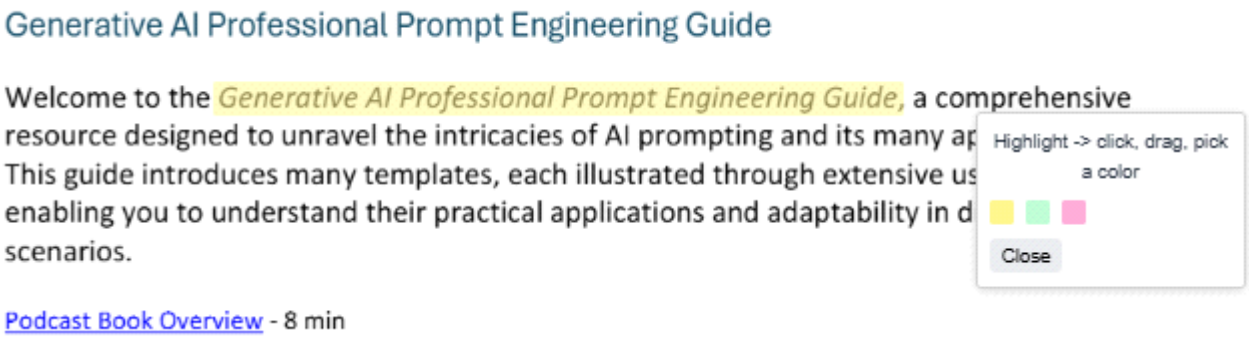

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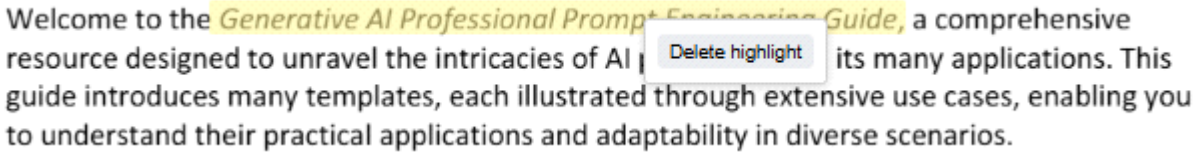

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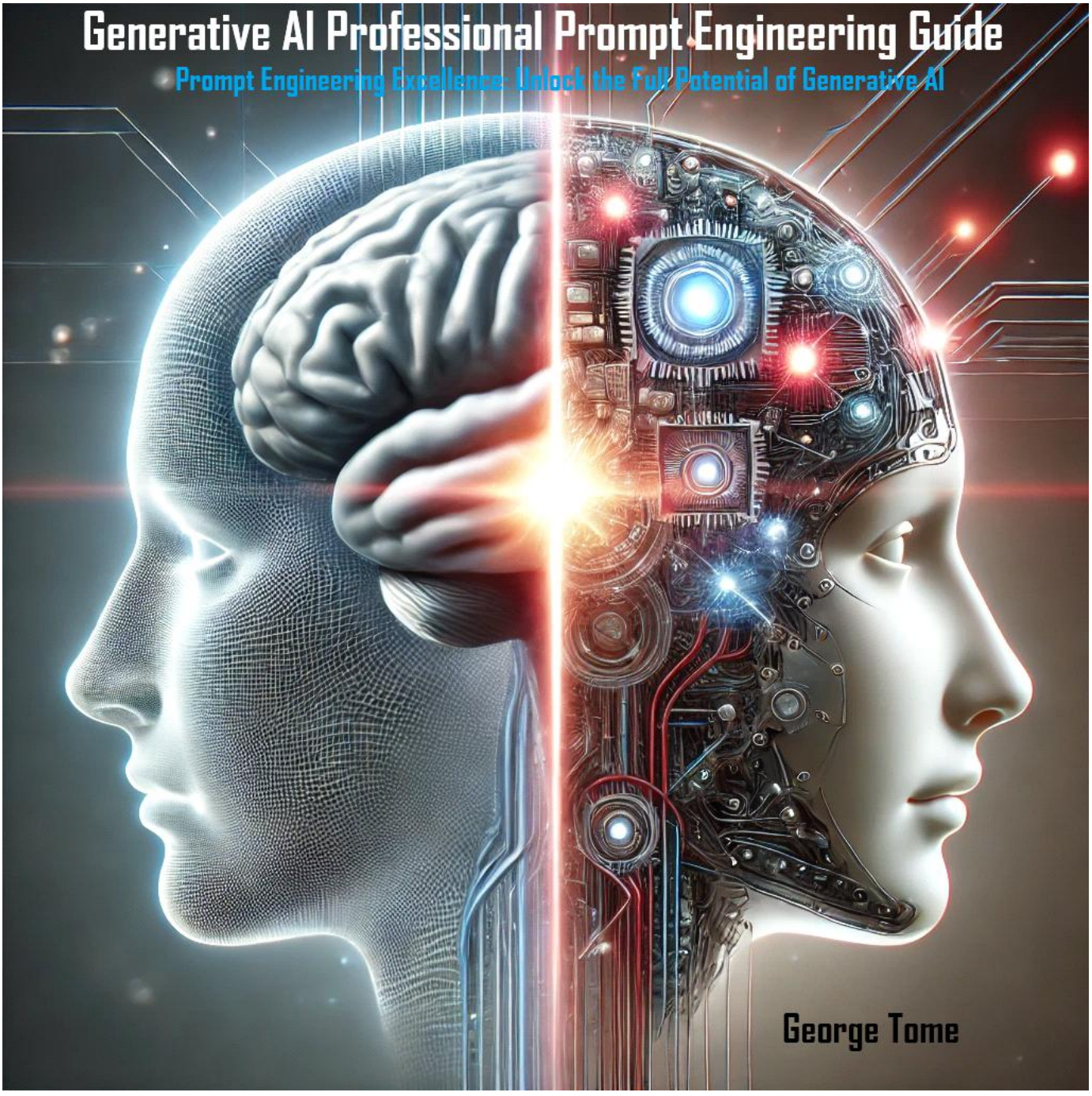
Generative AI Professional Prompt Engineering Guide

Welcome to the *Generative AI Professional Prompt Engineering Guide*, a comprehensive resource designed to unravel the intricacies of AI prompting and its many applications. This guide introduces many templates, each illustrated through extensive use cases, enabling you to understand their practical applications and adaptability in diverse scenarios.

Podcast Book Overview - 8 min



Generative AI Professional Prompt Engineering Guide

Prompt Engineering Excellence: Unlock the Full Potential of Generative AI

George Tome

Agility AI LLC

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Write 10+ prompts every day

Ask AI to help you create and refine prompts

Question

Can AI do this task for me

Can AI help me do the task

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Preface

Artificial intelligence is no longer just a concept found in science fiction—it's here, and it's changing the world in ways we could have only imagined a few years ago. Among the most exciting developments in this field is Generative AI. Imagine a machine that can write stories, compose music, design artwork, or even create entirely new worlds. It's not just about machines doing tasks for us anymore; it's about machines becoming creators themselves.

As someone who has been deeply immersed in the world of AI, I've seen how quickly Generative AI is moving from research labs into the real world. It's inspiring, but it can also be a little overwhelming. That's why I wanted to write this book. My aim is to take something that might seem complex or intimidating and break it down into something that's not only understandable but also fascinating and, hopefully, a bit of fun to explore.

Generative AI Professional Prompt Engineering Guide is my attempt to share what I've learned over the years in a way that's accessible to everyone, whether you're a tech enthusiast, a business leader, or just someone curious about what's next in the world of AI. I've filled these pages with stories, examples, and insights that show how Generative AI is being used today—and what it might mean for our future.

More than just explaining the technology, I want this book to spark your imagination. Generative AI isn't just a tool; it's a new way of thinking about creativity and problem-solving. It opens up possibilities that we're only beginning to explore, and I'm excited to take you along on this journey.

As you read through these chapters, you'll see how Generative AI is already making its mark in areas like art, music, business, and even healthcare. You'll also encounter some of the big questions we need to ask as this technology continues to evolve: What are the ethical implications? How do we ensure it's used responsibly? These are questions that don't have easy answers, but they're crucial as we move forward.

My hope is that by the end of this book, you'll not only have a better understanding of Generative AI but also feel inspired to think about how it might impact your life, your work, and the world around us.

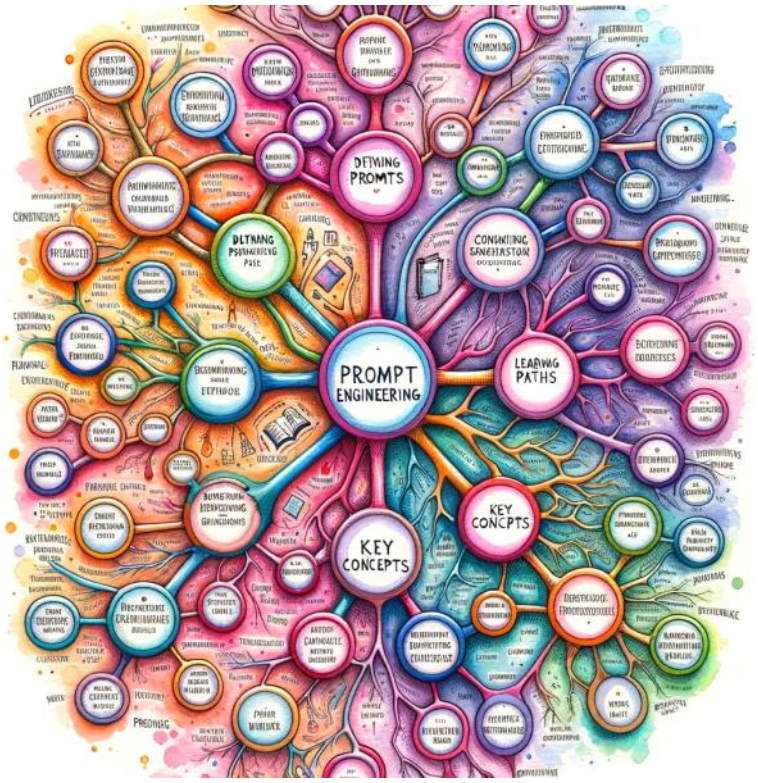
Thank you for taking the time to explore this fascinating area with me. I'm thrilled to share this journey with you, and I can't wait to see where it takes us.

— George Tome
August 2024

Introduction

This section is setting the tone and providing an overview of what the reader can expect to learn. It prepares you for an enlightening journey through the world of Generative AI prompting.

Podcast Overview - 10 min



Defining Prompts
Defines what prompts are and outlines their significance in the AI world. This section lays the groundwork by providing readers with the necessary vocabulary and context to understand the rest of the guide.

Key Concepts
Core principles and ideas that underpin prompting in AI, this is essential for building a solid understanding and foundation. It introduces readers to the components and mechanisms that make Generative AI prompting effective.

Learning Paths
Outlines the structured pathways and resources that readers can follow to master the art of using Generative AI prompts. It provides guidance and recommendations tailored to different learning needs and goals.

Prompt Templates Matrix
Serving as a quick reference guide, this matrix organizes the prompt templates, providing readers with an at-a-glance view of the options available helping them navigate through the diverse templates.

Chapter Overviews

Chapter 1: Components of a Prompt
Learn the building blocks of effective Generative AI prompting. This chapter explains the essentials—with clear instructions, relevant information, examples, and output format—that make up a well-crafted prompt. Practical examples and exercises are provided to help you communicate with AI effectively, ensuring you achieve the results you're aiming for.

Chapter 2: Format and Use Cases for Prompt Templates
Explore prompt templates and how they can be applied in real-world scenarios. This chapter encourages creativity, showing you how to adapt these templates to address your specific challenges. It's designed to inspire you to think critically about how to make AI work for you in unique and effective ways.

Chapter 3: Prompt Templates Detailed Documentation
Understand prompt templates with comprehensive insights and step-by-step guidance. This chapter helps readers leverage these templates across different business scenarios, encouraging you to think outside the box when it

comes to AI prompting.

Chapter 4: Advanced AI Prompting Techniques
Expand your prompting skills with more advanced techniques like chained prompting, conditional prompting, and conversational prompting. These methods allow for more dynamic and natural interactions with AI, making it easier to tackle complex tasks.

Chapter 5: Combining Prompts
Learn how to combine different prompt templates to create more powerful and versatile interactions. This chapter encourages you to think creatively about how to enhance your AI-driven projects by strategically blending prompts.

Chapter 6: AI Learning Platform
Discover how advanced AI tools like Google NotebookLM, Illuminate, and ChatGPT Custom GPTs can revolutionize your learning experience. This chapter provides actionable guidance on using these tools to create personalized knowledge systems, engage in dynamic discussions, and gain precise clarifications. Practical examples and exercises demonstrate how to integrate these technologies into your workflow, transforming static learning into an interactive and collaborative journey.

Chapter 7: Effective Prompt Patterns
Master structured prompt patterns to maximize your interactions with AI, ensuring clear, consistent, and reliable outcomes. This chapter covers essential techniques—including Role-Based, Task Clarification, Few-Shot, Constraint-Based, Iterative Refinement, Chain-of-Thought, Self-Consistency, Zero-Shot, and Adversarial Prompting—each illustrated with practical examples and clear implementation tips. Learn to craft targeted prompts that reduce ambiguity, boost efficiency, and elevate your Generative AI projects across diverse applications.

Chapter 12: Supplemental Materials
Access a wealth of additional resources to deepen your understanding of prompt engineering. This chapter includes a prompt templates matrix, detailed definitions, troubleshooting tips, and best practices for effective prompting, and much more serving as a practical guide for real-world application.

Prompting Introduction

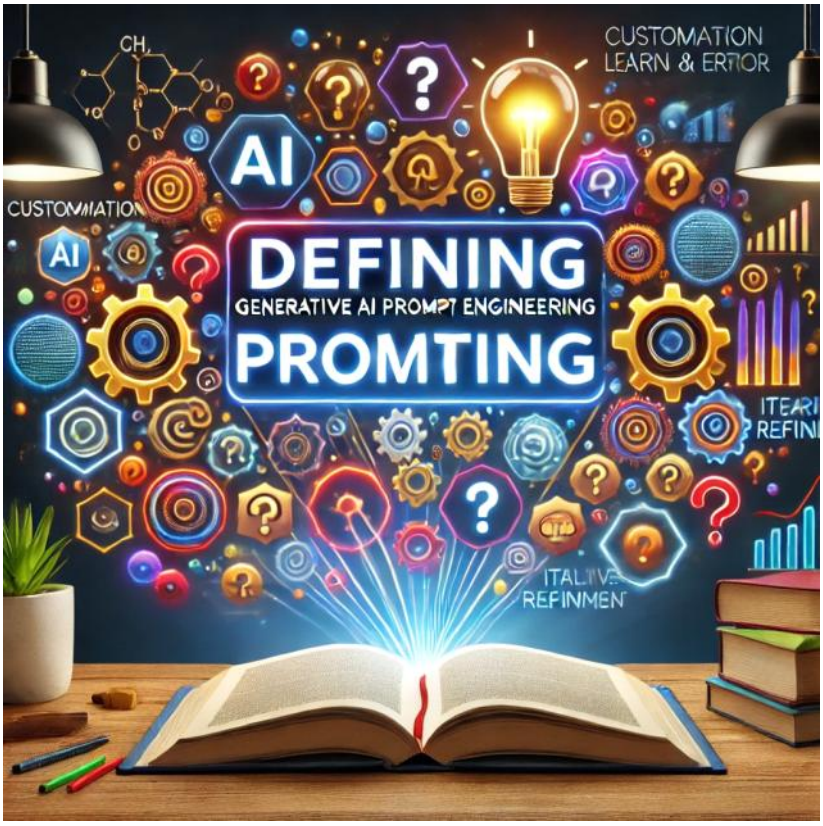
The matrix organizes prompts into different levels and categories, describing their names, uses, and taglines. It's the ultimate place for storing, managing, and updating all the templates.
This document is a key part of the Prompt Template repository and self-study program. It carefully guides readers through the prompt templates, explaining each one clearly and precisely. This helps ensure you fully understand how each template works and how to use it effectively.
Additionally, the document is packed with real-world examples for each template. These examples show the many ways you can use the templates, giving you practical insights into their versatility. They also spark creativity, encouraging you to experiment, tweak, and adapt the templates to create new solutions for different professional scenarios. By combining detailed explanations with numerous real-world examples, this document becomes an invaluable resource. It promotes both intellectual curiosity and practical skills, empowering you to fully leverage prompt templates in your work and enhancing your learning experience.

Sections	Key Topics	Summary
Overview	• Introduction • Key Concepts • Learning Paths • Prompt Templates Matrix	This part introduces the guide, explaining the basics of prompts and the key ideas behind them. It also lays out clear learning paths and arranges the prompts in an easy-to-follow matrix.
Introduction	• Defining prompts • Types of prompts • Crafting effective prompts • Iterative refinement	Prompts are instructions that guide AI responses. Good prompts make AI answers more accurate and efficient. There are three main types: descriptive, inquisitive, and directive. Clear and concise prompts with context are best, and they get better with practice and feedback.
Defining Prompting	• What is prompting? • Importance of effective prompting • Customization • Types of prompts	Prompting is all about giving cues to AI. The quality of these cues determines how precise and efficient the AI's responses will be. Tailoring prompts to specific needs is key, and there are three main types: descriptive, inquisitive, and directive.
Key Concepts	• User vs task-centric prompting	User-centric prompting keeps users engaged, while

	• Ethical considerations • Multimodal prompting • Iterative refinement • Customization • Legal compliance • Contextual awareness	task-centric focuses on getting the job done. Ethical prompting respects people's rights and avoids harm. Using media like images, audio, and video helps. Prompts get better with feedback and tweaks. Customization makes them more relevant and satisfying. It's important to know the legal and compliance aspects, especially in regulated fields. Adding context and domain knowledge makes prompts even better.
Learning Paths	• Personas • Efficiency in learning • Significance of paths • Role of personas • Path examples	Personas show the diversity and needs of users. Optimized paths focus on what's important. The structured approach builds key skills and knowledge. Paths are tailored to specific goals like Template Seeker, Experimenter, Customizer, and Creator.
Prompt Templates Matrix	• Template attributes • Matrix structure • Repository benefits	The Prompt Templates Matrix is like a handy guidebook for choosing the right prompts. It lays out different types of prompts in a clear, side-by-side format, making it easy to find the one that fits your needs. Whether you're looking to craft precise, engaging, or task-focused prompts, this matrix helps you see the options and customize them to get the best results from your AI interactions.

Defining Prompting

Objective: To give users the foundational knowledge of prompting, helping them effectively interact with generative AI and enhance the quality of AI-generated content.



What is Prompting? Prompting is the process of giving an input or cue to a generative AI model to guide it to produce a specific type of output. It's the starting point of interaction, acting as a catalyst for the AI to generate responses, content, or solutions based on the given prompt.

Importance of Effective Prompting

Precision Clear and concise prompts lead to more accurate and relevant AI-generated responses.

Efficiency Well-crafted prompts reduce the need for revisions and save time.

Customization Tailored prompts help users get outputs that align with their unique needs.

Types of Prompts

Descriptive Give detailed information or context to guide the AI.

Inquisitive Ask questions or queries to the AI for specific answers.

Directive Give instructions or commands for the AI to follow.

Crafting Effective Prompts

Clarity Be clear and specific about the desired outcome**.**

Brevity Keep prompts concise while providing necessary details.

Contextualization Offer context or background information when needed.

Iterative Refinement

Feedback Loop Use AI feedback to refine and optimize prompts.

Trial and Error Try different phrasing and structures.

Continuous Learning Adapt prompts based on AI performance and user needs.

Practical Application

Business Use Cases Use prompting for market analysis, content creation, problem-solving, and more.

Creative Exploration Explore artistic, literary, or scientific applications of prompting**.**

To fully harness the power of generative AI, it's crucial to master the art of prompting. By crafting effective prompts and using advanced techniques, users can optimize AI interactions and achieve desired outcomes across various fields.

Three Types of Prompts Descriptive, Inquisitive, and Directive.

Examples

Descriptive Prompt

Example "Imagine a company wants to expand in Asia. Describe the potential challenges and opportunities, considering cultural, economic, and regulatory differences."

Explanation This prompt sets a clear scenario, helping the AI to describe potential challenges and opportunities in detail, making sure the response is relevant and comprehensive.

Inquisitive Prompt

Example "What are the main differences between renewable and non-renewable energy sources, and how do they affect environmental sustainability?"

Explanation This prompt asks a clear question, guiding the AI to explain the differences and their impact on the environment, providing an informative answer.

Directive Prompt

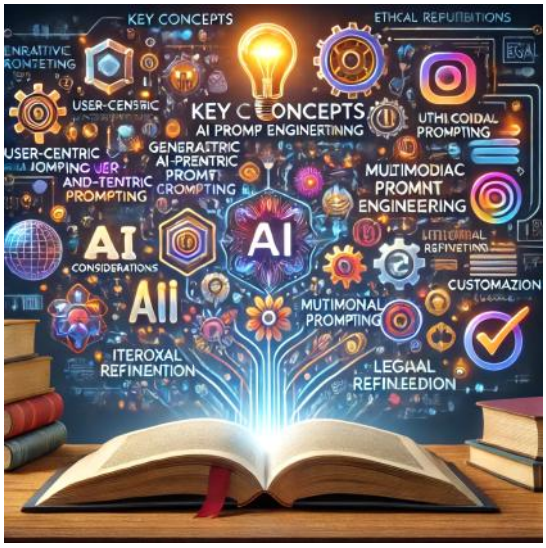
Example "List five innovative strategies to boost customer engagement in e-commerce, ensuring each one is unique and actionable."

Explanation This prompt gives the AI a clear task, specifying the number and type of strategies, making sure the results are tailored, actionable, and useful.

These examples are easy to understand and serve as a great starting point for anyone new to AI and crafting prompts. They follow the principles of clarity, brevity, and context, making them effective tools for achieving your goals.

Key Concepts

Key concepts beyond the basics of prompting, that newcomers should be aware of:



Prompting vs. Automation:

Prompting
This is about creating input queries to guide AI in generating specific outputs. It requires human input to set the context and goals.

Automation
This involves setting up AI to perform tasks on its own without human help, using predefined rules, scripts, or machine learning models.

User-Centric vs. Task-Centric Prompting
User-centric prompting focuses on the needs, preferences, and context of the user to generate responses that are personalized, relevant, and engaging. In contrast, task-centric prompting aims to accomplish specific tasks or objectives, prioritizing accuracy, efficiency, and meeting predefined criteria.

Ethical Considerations
It's important to consider ethics when using AI, including privacy, bias, misinformation, and responsible usage. Ethical prompting involves creating queries that respect individual rights, promote fairness, and prevent harm.

Multimodal Prompting
Beyond just text, multimodal prompting uses various input types like images, audio, and video to enable richer interactions and more diverse AI-generated outputs.

Iterative Refinement and Feedback
Continuously improving prompts through trial and error, user feedback, and adapting to AI performance enhances the quality of AI-generated content and user experience.

Customization and Personalization
Tailoring prompts to individual users or specific use cases makes AI responses more relevant and targeted, boosting user satisfaction and engagement.

Legal and Compliance Awareness
Being aware of legal and compliance requirements is crucial when creating prompts, especially in regulated industries like healthcare, finance, and law.

Contextual Awareness and Domain Knowledge
Adding contextual awareness and domain-specific knowledge to prompts can significantly improve the relevance and accuracy of AI-generated responses.

Understanding these concepts will help you leverage prompting more effectively, address challenges, and navigate the complexities of working with generative AI models.

Prompt Crafting vs Engineering

In the field of AI, especially when working with large language models like chatGPT, **prompt crafting** and **prompt engineering** are critical skills that determine the quality and reliability of AI outputs. While both techniques revolve around designing inputs (prompts) to guide an AI model's responses, they differ in approach, complexity, and intended outcomes.

What is Prompt Crafting?
Prompt crafting refers to the process of creating specific instructions for an AI model to generate desired outputs in real-time. This technique is generally used for immediate, one-off tasks where the user interacts directly with the model by writing a prompt tailored to a unique context. The goal is to achieve a useful, relevant response for that specific instance, but the prompt might not be effective or optimized for other situations.

Characteristics of Prompt Crafting

Real-Time Interaction: Prompts are written and adjusted on-the-fly for immediate needs.

Context-Specific: Prompts are tailored to a specific task or query and are often not reusable for different contexts.

Flexible and Adaptable: Allows for quick experimentation and modification based on the outputs received.

Example Use Cases

Summarizing a specific document.
Translating a particular text.
Generating creative content, such as a story or poem.

Prompt crafting is an essential skill when a user requires fast, task-specific results without the need for broader applicability.

What is Prompt Engineering?
Prompt engineering, in contrast, is a more systematic and rigorous approach aimed at developing prompts that generate consistent, replicable outputs across a variety of contexts and data sets. This method involves creating structured frameworks and leveraging advanced techniques to ensure reliability and accuracy. Prompt engineering focuses on scalability, making it suitable for applications where prompts need to handle diverse and potentially unknown inputs.

Core Principles of Prompt Engineering

Consistency and Reliability: Prompts are designed to produce high-quality outputs repeatedly across different inputs.

Scalable Frameworks: Emphasizes creating robust prompts that can be applied to a wide range of scenarios.

Continuous Optimization: Involves iterative refinement of prompts to improve performance based on objective measurements and feedback.

Advanced Techniques in Prompt Engineering

Zero-Shot Prompting: Instructing the model without providing any examples. This approach is quick but may lack nuance and specificity for complex tasks.

Multi-Shot Prompting: Supplying several examples to the model to enhance understanding and context. This reduces ambiguity and improves the accuracy of responses by showing the model

what is expected.

Chain of Thought Prompting: Encouraging the model to think step-by-step by breaking down tasks into smaller, logical steps. This technique improves reasoning and helps in achieving more accurate and interpretable outputs.

Prompt Chaining: Creating a sequence of prompts that build on each other's outputs. This method is particularly effective for multi-stage processes, such as data analysis, where the results of one step inform the next.

Example Use Case

Conducting sentiment analysis on a large dataset where the model must classify, extract themes, and provide justifications in a structured, multi-step process.

Key Differences Between Prompt Crafting and Engineering

Aspect	Prompt Crafting	Prompt Engineering
Objective	Immediate, context-specific results	Consistent, reliable outputs across various contexts
Interaction Style	Real-time, experimental	Systematic, structured
Scalability	Limited; often tailored to one-off tasks	High; designed to work with diverse and unknown inputs
Complexity	Lower; quick adjustments and iterations	Higher; involves multiple steps and optimization
Examples and Techniques	Basic queries, creative prompts	Multi-shot, Chain of Thought, Prompt Chaining

Why Master Both?

For professionals working with AI, mastering both prompt crafting and prompt engineering is essential. While prompt crafting allows for quick and flexible interactions with the AI model, prompt engineering ensures that those interactions can be scaled, refined, and applied consistently across diverse applications. Together, these skills enable practitioners to maximize the efficiency, reliability, and effectiveness of AI models in solving complex problems.

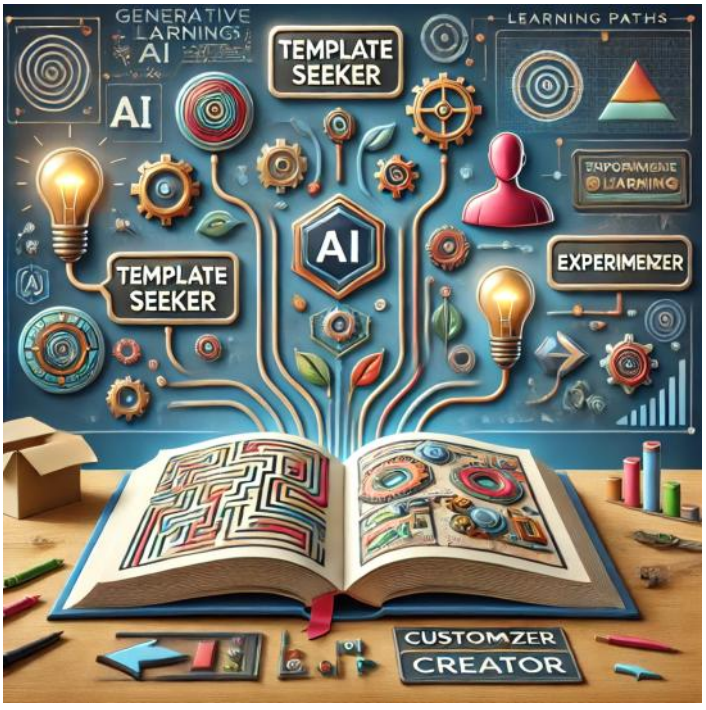
By understanding the nuances of these techniques and knowing when and how to apply them, you can develop robust, effective prompts that meet both specific and generalized needs. This combination of art (crafting) and science (engineering) in prompt design is crucial for leveraging AI's full potential in research, development, and business applications.

Learning Paths (How to Use this Guide)

Introduction to Persona-Specific Learning Paths
Exploring AI prompt engineering requires a clear focus on efficiency and direction. Persona Specific Learning Paths are customized roadmaps designed to meet the unique needs and goals of different personas. Whether you're a Template Seeker or a Creator, these paths help you achieve your objectives effectively and efficiently.

Efficiency in Learning
Efficiency is key. It's about making the learning journey streamlined and focused on what truly matters. By transforming knowledge into actionable insights, you ensure every step moves you closer to your goals.

Significance of Learning Paths
Learning paths provide a structured and clear approach, cutting through the noise to highlight essential knowledge. These curated journeys equip you with the skills and knowledge you need to excel in your specific role and industry.



Efficiency is the cornerstone of effective learning. It ensures that learners stay focused on their objectives without getting lost in unnecessary details. By turning the learning journey into a streamlined process, efficiency transforms knowledge into practical skills that can be applied immediately.

Key strategies for efficient learning include:

- **Iterative Refinement**: Continuously improving your understanding by revising and optimizing prompts based on feedback.
- **Structured Knowledge Paths**: Organizing learning into logical, progressive steps.
- **Practical Application**: Reinforcing concepts through real-world exercises and prompt templates.

Each step in these learning paths is designed to provide clarity and purpose, moving learners closer to their goals with every interaction.

Structured Guidance

A well-defined learning path simplifies the complexity of AI prompting by breaking it into manageable, logical steps. This approach ensures that learners build a solid foundation before progressing to advanced concepts. Structured guidance offers a clear roadmap, reducing the cognitive load and making the learning experience more enjoyable and productive.

Tailored Journeys

Every learner is unique, and tailored journeys recognize and celebrate that diversity. By focusing on individual goals, these personalized paths offer resources and exercises that resonate with each learner's specific background and aspirations. Tailored learning ensures that the content is relevant, engaging, and directly applicable to the learner's objectives.

Efficient Progress

Efficiency in progress means minimizing unnecessary complexity while maximizing actionable insights. These paths are not just about consuming information but about applying it effectively. By focusing on what truly matters, learners can achieve their professional and personal objectives more quickly and with greater confidence.

Role of Personas

Personas are at the heart of personalized learning. They represent the diverse range of learners, each with distinct needs, challenges, and goals. By adopting persona-specific learning paths, learners can engage with content that is most relevant to their experiences and aspirations. This approach builds a stronger connection between the learner and the material, ensuring that the knowledge gained is both practical and meaningful.

Personas

The Template Seeker Persona

Name: Tamara
Age: 30
Occupation: Content Marketer
Industry: E-commerce
Experience: 3 years in content marketing, beginner in AI prompt engineering

Objective: Efficiency and effectiveness

Job to be Done

Tamara needs a prompt template for generating engaging content immediately. Her primary goal is to find a template that fits the current marketing campaign with minimal adjustments. She values efficiency and effectiveness and seeks a user-friendly repository with a variety of categorized templates.

Learning Path (Minimal)

Prompt Templates Matrix – Find the template that matches your current need.

Chapter 1: Components of a Prompt – Understand the fundamental building blocks of effective Generative AI prompting, focusing on clear instructions, relevant information, examples, and output formats.

Chapter 2: Format and Use Cases for Prompt Templates – Explore real-world applications of prompt templates to inspire creative and critical thinking.

Chapter 12: Supplemental Materials – Access additional resources, including troubleshooting tips and best practices.

The Experimenter Persona

Name: Ethan
Age: 27
Occupation: Data Scientist
Industry: Technology
Experience: 2 years in data science, intermediate in experimenting with AI templates

Objective: Analyze different templates, test approaches, and optimize outcomes

Job to be Done

Ethan wants to experiment with different templates to analyze outcomes and find the best-performing one. He is data-driven and enjoys testing various approaches to optimize marketing strategies. Ethan needs a repository that offers diverse templates and supports A/B testing and performance tracking.

Learning Path (Minimal)

Previous learning paths +

Use Cases for Prompt Templates: Explore diverse templates suitable for experimentation.

Chapter 3: Prompt Templates Detailed Documentation – Gain comprehensive insights into prompt templates with step-by-step guidance.

Chapter 4: Advanced AI Prompting Techniques – Learn advanced techniques like chained prompting, conditional prompting, and conversational prompting for dynamic and effective AI interactions.

The Customizer Persona

Name: Charlie
Age: 35
Occupation: Brand Manager
Industry: Fashion
Experience: 7 years in brand management, proficient in modifying AI templates

Objective: Customization and originality

Job to be Done

Charlie seeks to modify templates to align with the brand's unique voice and style. He values customization and originality and looks for a repository offering editable templates and guidance on adjustments. The platform should also provide best practices for template modification.

Learning Path (Minimal)

Previous learning paths +

Introduction, Defining Prompting, Prompt Template Matrix

Prompt Templates Detailed Documentation: Study the details of templates to understand how they can be adjusted for brand alignment.

Chapter 5: Combining Prompts – Master the art of combining different prompt templates for more versatile and powerful interactions.

Chapter 7: Effective Prompt Patterns – Discover how to select and apply patterns to achieve specific outcomes and meet brand requirements.

The Creator Persona

Name: Casey
Age: 40
Occupation: Product Development Manager
Industry: Healthcare
Experience: 10 years in product development, experienced in creating and combining AI templates

Objective: Innovation and strategic development

Job to be Done

Casey aims to create or combine multiple templates to develop a comprehensive marketing solution. He is innovative and strategic and seeks a repository with advanced tools for template creation and combination. The platform should also facilitate collaboration and sharing of custom templates within the business environment.

Learning Path (Minimal)

Previous learning paths +

Introduction, Defining Prompting, Prompt Template Matrix

Format and Use Cases for Prompt Templates: Explore diverse templates suitable for experimentation.

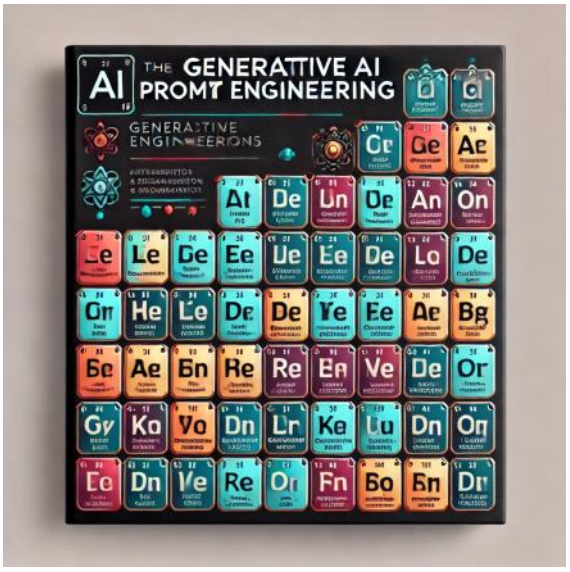
Prompt Templates Detailed Documentation: Detailed exploration of each template to understand how they can be created and combined for comprehensive solutions.

Chapter 6: AI Learning Platform – Utilize advanced tools like Google NotebookLM and ChatGPT Custom GPTs for personalized learning experiences.

Persona-Specific Learning Paths offer a powerful framework for mastering Generative AI prompting. By following these customized roadmaps, learners can confidently navigate the *Generative AI Professional Prompt Engineering Guide* and achieve their specific objectives. Through iterative refinement and continuous learning, these paths empower individuals to build practical skills and stay ahead in the ever-evolving world of AI prompting.

Success in AI prompting is not a destination but a journey—one of continuous growth, adaptation, and discovery.

Prompt Templates Matrix



In the fast-paced world of technology and AI, having a prompt templates matrix and repository is invaluable. This matrix provides an organized, structured, and comprehensive catalog of AI capabilities, making it easy for users to find the right prompt for their needs. Whether you're a novice looking for basic guidance or an expert needing intricate analysis, the matrix categorizes prompts by complexity levels, helping you pinpoint the perfect prompt effortlessly. Detailed attributes like name, description, use cases, and taglines further enhance understanding, ensuring you can fully leverage the AI's potential. Categories like 'Format,' 'Sub-Categories,' and 'Full Documentation' give you a holistic view of each prompt's capabilities, helping you make informed decisions.
The repository acts as a centralized hub for storing and managing these templates, offering easy accessibility and convenience. It not only simplifies the process of finding the right prompt but also ensures that all templates are well-organized and readily available for use and retrieval, but
it also serves as a platform for continuous improvement and expansion. As AI evolves, so will the prompts and their functionalities. Having a repository means that updates can be systematically implemented, ensuring users always have access to the latest and most advanced tools. Moreover, with a wide variety of prompts available, from "Language Translator" to "Expert Critic," a repository ensures that no matter the task at hand, there's a prompt ready to assist, optimize, and enhance the user's experience. In essence, a prompt templates matrix and repository are crucial tools that bridge the gap between AI capabilities and user needs, facilitating seamless, efficient, and tailored interactions.

Level	Name	Description	Category	Sub-Categories	Keywords	Tagline
101	AI Creates the Prompt	The AI will create a new prompt based on given information.	Guidance and Recommendations	AI-Driven Suggestions	Create, Prompt, New	Let AI Craft Your Perfect Prompt!
101	Aways Include	Appends specified content or actions to the end of every AI response in a session.	Interaction and Enhancement	Prompt Customization	Append, Content, Response, End	End your prompt your way!
101	AI Selects Prompt for you	Provides a list of prompts that are considered high quality.	Guidance and Recommendations	AI-Driven Suggestions	AI, Suggestions, Quality	Guiding Your Query Quest!
101	Ask AI to Improve a Prompt	Requests the AI to provide suggestions to improve an	Guidance and Recommendations	AI-Driven Suggestions	Improve, Suggestions, Prompt	Better Questions, Better Answers!

		existing prompt.				
101	Clarify Before Answering	The AI will ask the user clarifying questions before providing an answer.	Interactions and Engagements	Questioning	Questions, Clarify, Interaction	First We Ask, Then We Solve!
101	Comparative Prompting	Allows the user to compare two or more items.	Analysis and Comparison	Comparative Analysis	Compare, Analysis, Multiple Items	Distinguishing Differences, Spotting Similarities!
101	Identify Tone	Identifies the tone or mood of a given content.	Interactions and Engagements	Tone Manipulation	Identify, Tone, Mood	Detecting the Underscored Mood!
101	Language Translator	Translates content from one language to another.	Interactions and Engagements	Language Translation	Translate, Language, Content	Bridging Words, Connecting Worlds!
101	Tone Changer	Modifies the tone of a given content to fit a specified mood or style.	Interactions and Engagements	Tone Manipulation	Tone, Modify, Mood	Switching Tones, Setting Moods!
201	Acting As [Role and Persona]	The AI will adopt a specific role or persona when providing responses.	Research and Exploration	Role-based Exploration	Role, Persona, Adopt	Shifting Roles, Tailored Responses!
201	Clarify Before Answering	AI seeks clarifications through questions to craft well-informed, accurate responses tailored to user needs.	Interactivity and Engagement	Clarification	Clarification, Questions, Response, Interaction	Crafting Precision through Questions!
201	Brainstorming	A collective process to rapidly generate and build on ideas, fostering innovation through diversity of thought.	Interactivity and Engagement	AI-Driven Suggestions Inquiry Enhancement Summarization and Condensing	Brainstorm, Ideation, Creativity, Innovation, Divergent Thinking, Synthesis, User-Alignment	Sparking Ideas, Igniting Change, and Forging the Future!
201	Expand a Question	Refines and elaborates questions, focusing	Inquiry Enhancement	Question Refinement	Expand, Elaborate, Subtopics,	Delving Deeper, Uncovering

		on specific subtopics for comprehensive and detailed answers.			Detail, Refinement	Insights!
201	Expert Critic	The AI will provide a detailed critique or analysis of a given content.	Analysis and Comparison	Detailed Analysis	Critique, Expert, Analysis	Deep Dive Evaluations!
201	Data Retrieval	Extracts specific information or data from a given content.	Technical and Formatting	Content Extraction	Extract, Data, Content, Retrieval	Zooming in on What Matters!
201	Fact Check Response	Validates AI responses by listing foundational facts, enhancing credibility and user trust.	Verification and Validation	Response Validation	Fact-Check, Validate, Verify, Response, Trustworthiness	Validating Truth, One Response at a Time!
201	Let's think about this Step by Step	Provides a structured way to think through a problem.	Structural and Organizational	Structured Thinking	Structured, Thinking, Problem-Solving	Breaking it Down, One Step at a Time!
201	Markdown Commands	Provides guidance on using Markdown for formatting.	Technical and Formatting	Markdown Guidance	Markdown, Guidance, Formatting	Structured Clarity, Markdown Mastery!
201	Multiple Perspectives	Provides different viewpoints or perspectives on a topic.	Analysis and Comparison	Multiple Perspectives	Viewpoints, Perspectives, Topic	Multiple Angles, One Comprehensive View!
201	Refine and Focus a Question Prompt	Sharpens inquiries by emphasizing specific areas, enhancing clarity and precision.	Guidance and Recommendations	Question Refinement	Refine, Focus, Clarify, Precision, Inquiry	Sharpening Queries, Aiming Precision!
201	Remove Information	Remove to specific content or types of information from text.	Text Processing and Enhancement	Content Redacting	Remove, Information, Content, Text	Removing the Noise, Focusing on What Matters!
301	Tree of Thoughts	Organizes thoughts or ideas in a hierarchical or tree structure.	Structural and Organizational	Thought Organization	Organize, Thoughts, Tree	Mapping Ideas, Branch by Branch!

101 - Simple prompts that provide guidance, direct suggestions, or basic interactions. Suitable for novices and those looking for straightforward assistance. These prompts are designed for those who are new to the topic and

don't require extensive background knowledge on the subject.

201- Moderately complex prompts that help in organizing thoughts, delve into comparative analysis, or require an intermediate level of understanding. Suitable for users with some experience with the subject matter or an intermediate understanding of the topic.

301 - Highly complex or specialized prompts that delve into research, role-based exploration, detailed analysis, or manipulate tone and language. Intended for user with significant experience in the domain and a deep understanding of the topic.

Prompt Problems and Solutions

Name	Problem	Result	Solution	Templates	Example Usage	Common Mistakes
Ambiguous Questions	Unclear or multiple interpretations possible	Misinterpretation and irrelevant answers	Rephrase the question to be more direct and precise.	Refine and Focus a Question, Expand a Question, Chained Prompting	"Clarify what the top three factors in customer satisfaction are."	Asking questions that are too open-ended.
Failing to Account for Exceptions	Not accounting for potential variations or exceptions	Inaccurate or generalized responses	Include conditions or exception cases in the prompt.	Comparative Prompting, Conditional Prompting, Graph of Thoughts	"Compare the success factors for startups in tech and healthcare sectors."	Not mentioning possible exceptions or varying conditions.
Ignoring Feedback	Not using AI's previous output to refine further prompts	Lack of progressive improvement	Analyze AI's responses and refine prompts based on them.	Feedback Loop Prompting, Iterate and Improve Prompt, Ask AI to Improve a Prompt	"Analyze the previous response and suggest improvements."	Not adapting prompts based on the feedback received.
Ignoring User Knowledge Level	Not considering the audience's familiarity with the topic	Overly technical or too simplistic responses	Adjust the prompt to the audience's knowledge level.	Expert Critic, Conversational Prompting, Role-Based Prompting	"Explain blockchain technology to a beginner."	Overestimating or underestimating the user's prior knowledge.
Improper Use of Tone	Using an inappropriate tone for the context	AI response tone does not match user expectations	Specify the desired tone explicitly.	Tone Changer, Identify Tone, Emotion Prompting	"Rewrite this text in a formal tone suitable for a business report."	Failing to match the tone to the audience or context.
Incomplete Prompts	Omitting critical elements required for an answer	Partial or inadequate responses	Include all necessary information and parameters.	Always Include, Expand a Question, Outcome-Based Prompt	"Explain the algorithm with examples."	Forgetting to provide examples or key details.
Lack of Context	Failing to provide enough background information	AI provides irrelevant or incomplete responses	Add relevant context to guide AI's understanding and output.	Information Extraction, Always Include, Recursive Prompting	"Explain machine learning concepts in the context of healthcare."	Providing too little context for complex topics.
Lack of Follow-up	Not requesting further clarification	AI responses lack depth or additional needed	Ask AI to seek additional clarification or details.	Ask AI to Improve a Prompt, Conversational	"What additional information would help	Not using iterative or recursive approaches

	or follow-up questions	context		Prompting, Recursive Prompting	clarify this topic?"	to deepen the response.
Lack of Goal Orientation	Not clearly stating the end goal of the prompt	AI generates irrelevant or misaligned responses	Define clear objectives within the prompt.	Outcome-Based Prompting, Iterate and Improve Prompt, Chain of Density Prompt	"Summarize the benefits of renewable energy focusing on economic impacts."	Not clearly defining the desired outcome of the prompt.
Lack of Iteration	Failing to refine or iterate on prompts	Limited improvemen t in responses	Use iterative refinement techniques to improve prompts over time.	Iterate and Improve Prompt, Recursive Prompting, Outcome-Based Prompting	"Refine this prompt to make it more targeted and effective."	Expecting perfect results without refining or testing prompts.
Leading or Biased Prompts	Asking questions in a way that influences the AI's answer	Biased or skewed responses	Use neutral language and multiple perspectives.	Multiple Perspectives, Comparative Prompting, Conversational Prompting	"Discuss the pros and cons of renewable energy vs. non-renewable energy."	Phrasing questions to favor one side.
Misleading Prompts	Prompts that contain incorrect or misleading information	Inaccurate responses based on false premises	Verify the information before including it in a prompt.	Fact Check a Response, Expert Critic, Algorithm of Thoughts	"Analyze the impact of a non-existent policy."	Including hypothetical or incorrect information without clarification.
Missing Desired Format	Not specifying the required format for output	Responses not in the desired format	Define the output format explicitly in the prompt.	Markdown Formatting, Always Include, Precision Text Summarization	"Generate a summary in bullet points."	Not specifying the preferred format (e.g., list, paragraph).
Not Utilizing AI Capabilities	Failing to leverage AI's full potential (e.g., data extraction, analysis)	Sub-optimal use of AI responses	Incorporate more specific tasks suited to AI's strengths.	Acting As, Data Extraction, Algorithm of Thoughts	"Extract key statistics from this report and summarize them."	Not specifying tasks that leverage AI's unique capabilities.
Overly Complex Prompts	Using complicated language or multiple objectives	AI gets confused or generates incomplete responses	Break the prompt down into smaller, simpler parts.	Step-by-Step, Conversational Prompting, Chained Prompting	"Describe the process of product launch in steps."	Combining unrelated tasks in a single prompt.
Overly Directive Prompts	Giving the AI too specific instructions, limiting	Generic or narrow responses	Balance direction with flexibility to allow creative	Conversational Prompting, Acting As, Chained	"Provide innovative solutions for remote team	Over-constraining the AI's response

	creativity		output.	Prompting	management."	options.
Poorly Defined Constraints	Not setting limits or boundaries for AI's output	Responses that are too broad or unfocused	Clearly define the scope and constraints in the prompt.	Constrained Prompting, Conditional Prompting, Conversational Prompting	"Generate a report summarizing the top 3 trends in tech within 500 words."	Not setting word limits or specifying scope clearly.
Repetitive Prompts	Repeating the same question or format	Redundant or less creative responses	Use varied prompts to explore different perspectives or formats.	Create Prompt, Conversational Prompting, Complementary Prompts	"Give three different creative strategies to boost engagement."	Using the same phrasing repeatedly without variation.
Too Much Information	Including excessive details or irrelevant data	Overwhelming or unfocused responses	Keep prompts concise and focused on the main objective.	Chain of Density Prompt, Summarization, Remove Information	"Summarize the key findings of the report, excluding minor details."	Overloading the prompt with unnecessary details.
Vague Prompts	Lack of specificity and clarity	Ambiguous responses from AI	Include specific details and define clear instructions within the prompt.	Clarify Before Answering, Ask AI to Improve a Prompt	"Ask AI to clarify details about the budget constraints before planning."	Assuming AI will infer unstated details.