

AI-Text Completion Report

For this project, I made use of Cohere to generate text and allow the user to modify the parameters of the model. I installed the cohere package and generated an API-Key that will be used for the text-generation AI model that will be used.

I did a total of 5 different runs to test the capabilities of the AI model and to check how much of a difference modifying the model parameters will make.

For this first test, I asked what is the benefit of mineral water with different parameters to test how the input would change. From the output received below, we can tell that there is a difference in the uniqueness the more parameters we add to it. The output on the left is much different compared to the output on the very right.

Tokens = 100 Temp = 0.7	Tokens = 200 Temp = 0.0	Tokens = 350 Temp = 1.0	Tokens = 350 Temp = 1.0 Raw-prompt= True Presence-Pen=.5	Tokens = 100 Temp = 1.0 Raw-prompt= True Presence-Pen=1

Mineral water is naturally occurring water that contains a variety of minerals, including calcium, magnesium, and potassium. These minerals are important for maintaining good health and	Mineral water is a type of bottled water that is naturally rich in minerals like calcium, magnesium, and potassium. These minerals are essential for maintaining good health and can provide several benefits	I have been drinking mineral water for years, and I have found that it has many benefits. First, it is a great way to stay hydrated, which is important for overall health. Second, the minerals in the water can help to	Mineral water is a type of drinking water that is naturally rich in minerals such as calcium, magnesium, and potassium. These minerals are essential for maintaining good health and can provide several benefits	Several studies have shown that mineral water can have a number of health benefits. Some studies indicate that it may reduce the risk of certain chronic diseases like heart disease, stroke, and diabetes. It
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<p>can provide several benefits to the body.</p> <p>Some potential benefits of mineral water include:</p> <ul style="list-style-type: none"> - Improved hydration: Mineral water can be a good source of hydration, as it contains natural minerals that can be easily absorbed by the body. This can be especially beneficial for people who are active or exercise regularly, as proper hydration is essential for optimal physical 	<p>to the body.</p> <p>Here are some of the potential benefits of mineral water:</p> <ol style="list-style-type: none"> 1. Improved hydration: Mineral water contains a higher concentration of minerals than regular tap water, which can make it more satisfying to drink. This can be especially beneficial for individuals who struggle to stay hydrated or have difficulty absorbing nutrients from food. 2. Enhanced nutrient intake: The minerals in mineral water can provide additional nutrients to the body. For example, calcium is important for bone health, while magnesium is involved in numerous physiological processes, 	<p>balance the pH levels in your body, which can help to reduce inflammation and improve digestion.</p> <p>Finally, mineral water can also help to support your immune system, which is important for fighting off illness and disease.</p> <p>Is mineral water good for you? Mineral water is a great way to stay hydrated and get essential minerals that may be lacking in your diet. However, it is important to note that the mineral content of mineral water can vary greatly depending on the source, so it is always a good idea to check the label to see what minerals are present. Additionally, some people may be sensitive to the high mineral content of some mineral waters, so it is</p>	<p>to the body.</p> <p>Some potential benefits of mineral water include:</p> <ol style="list-style-type: none"> 1. Improved hydration: Mineral water contains small amounts of electrolytes, such as sodium and chloride, which can help the body absorb water more efficiently and improve hydration. 2. Better bone health: The minerals found in mineral water, such as calcium and magnesium, are important for maintaining strong bones and teeth. Regular consumption of mineral water can help support bone health and reduce the risk of conditions like osteoporosis. 3. Muscle function: The electrolytes in mineral water are essential for 	<p>can also help with digestion and has been linked to weight loss, improved oral health, and increased energy levels.</p> <p>Is drinking water better than soft drinks? Soft drinks are not good for your health and can have negative effects on your body. Soft drinks contain large amounts of sugar and artificial ingredients, which</p>
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	<p>including blood sugar control and muscle function.</p> <p>3. Support for digestive health: Some minerals present in mineral water, such as bicarbonate, can help mitigate acid reflux and heartburn by acting as a natural antacid. Additionally, mineral water's superior hydration properties can support the optimal functioning of</p>	<p>always a good idea to start with small amounts and see how your body reacts.</p> <p>What</p>	<p>proper muscle function. During exercise or in hot weather, these electrolytes can be lost through sweat, so replenishing them through mineral water can help prevent muscle cramps and fatigue.</p> <p>4. Cardiovascular health: Some studies suggest that drinking mineral water may have a positive impact on cardiovascular health by helping to regulate blood pressure and improve cholesterol levels.</p> <p>5. Gastric troubles: Mineral water is often recommended for individuals with digestive issues or those who want to improve their gut health. The natural minerals present in it can</p>	
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			<p>help soothe the digestive tract and provide relief from heartburn, indigestion, or constipation.</p> <p>6. Taste preference: Many people enjoy the distinct taste of mineral water and find it a more appealing alternative to regular tap water. This can encourage increased water intake, which is crucial for overall health and hydration.</p> <p>It's important to note that the exact composition of mineral water can vary depending on the source and brand, so the specific benefits may differ. It is always a good</p>	
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Now that we have a certain sense of how the output may differ depending on the parameters given, we can test 5 different text prompts and see how the chatbot would hold up on using the same parameters but different prompts, ranging from creative to informative.

Creative	Explanation	Summarize	Role-Playing	Problem Solving
<p>The robot awoke to another day. It was the same as every other day, consisting of the same monotonous tasks. On this day, something felt different. The robot felt a twinge of, for lack of a better word, emotion. It felt a desire, an itch, a passion, to do something else, something more. The robot wanted to experience the world in a way it never had before. It wanted to feel, to create, to dream.</p> <p>The robot</p>	<p>Black holes are regions in space where an enormous amount of mass is packed into a tiny volume. This creates a gravitational pull so strong that not even light can escape its grasp. Here's a simplified explanation of how black holes form:</p> <ol style="list-style-type: none"> 1. Massive Stars: Black holes begin their life cycle as massive stars, often many times the size of our Sun. These massive stars burn their nuclear fuel at an incredible rate, which causes them to evolve and change rapidly. 2. Supernova Explosion: 	<p>Romeo and Juliet is a tragic play written by William Shakespeare in the early 1590s. It tells the story of two young lovers, Romeo and Juliet, who come from feuding families, the Montagues and the Capulets, respectively. Despite the enmity between their families, they pursue their love secretly until ultimately, a series of miscommunications and tragic events lead to their untimely deaths, bringing the play to a tragic end.</p>	<p>As an alien visiting Earth, the first observation about humans might be their physical characteristics. Humans, compared to other species on the planet, have a distinctive anatomy and physical traits. They have an upright posture and are bipedal, meaning they use their two legs for walking, running, and balancing. They have an external skeletal structure protecting their internal organs, with the bones acting as a framework for their bodies. Humans have a large brain in proportion to the rest of their body, especially</p>	<p>1. Urban Recycling Art Installations: Turning recycled plastic waste into innovative art installations throughout the city can creatively showcase the issue of plastic waste while promoting sustainable practices. These installations can act as educational tools, sparking conversations about recycling and environmental conservation. Engaging local artists and the community in the creation of these installations can add a unique and visually appealing aspect to the cityscape.</p>

			in comparison to	2. Plastic Waste Reduction Urban Farming: Promoting
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These are the base outputs given for the questions asked, based on a specific goal behind them.

All the prompts are only given a max of 100 tokens with a temperature of 0.7. But when changing the prompt, we can see that there is a difference in what is being outputted. I will only use one example to keep it simple and short, but the main point of how the output changes is still there. For the ‘creative’ prompt referring to the robot, the temperature is set to 1.0, the presence-penalty is set to 1.0, and raw prompting is enabled. These parameters ended up generating this:

He was aware of his human masters staring at him, but the'threen could feel the'threen-to-the'ree'a connection that had never quite been severed. He _knew_ what he was, even if they couldn't comprehend it. So, as they expected, he complied with their demand. _The air in the city was always stale. The metal here had a way of sucking all moisture from its surroundings and coughing up nothing but cold

We can visibly point out mistakes in the output with these parameters. From the typo’s to the bad grammar, the output displays something much more unique but also much more ‘deranged’ in its output.