

Chat-Based AI Example Prompts

Links | Use chat-based AI for free <https://www.bing.com/search>
Sample proposals and panel feedback <https://jabunce.wordpress.com/sample-nsf-proposals/>
<https://chat.openai.com/>

1. Chat Based AI Example Prompts

Chat Based AI 101 Kids Story

Ask AI | Make me a kid's story based on the plot of the movie Hunger Games, but, replace the humans with cats and give it a strong cat theme, use cat like names and places. Please use chapter headings.

[>>Response](#)

AI Generated Letter of Support

Ask AI | Write a letter of support for a proposal from a faculty member in chemical engineering. The proposal title this letter will support is 'Optical probe for Regolith Analysis for Martian Exploration.' Leave the university name blank"

[>>Response](#)

Talking to a Document (Open Microsoft Edge Browser)

NOTE: You can drag/drop any file into the browser to talk to it, it does NOT have to be a web page

https://nsf-gov-resources.nsf.gov/2022-10/nsf23_1.pdf

Ask AI | What is a downward adjustment and how do I make one, please only use the page that is opened in the browser.

AI Summarizing a Solicitation

NOTE: You can drag/drop any file into the Edge browser to "talk "to it, it does not have to be a web page.

<https://www.zintellect.com/Opportunity/Details/0211-NPP-NOV23-JPL-PlanetSci>

or copy/paste text into ChatGPT

Ask AI | Summarize this webpage, use bullet points.

[>>Response](#)

Ask AI | Summarize this text, be concise, use bullet points. Over the last 5 decades, NASA missions to Mars have returned a wealth of measurements characterizing its surface's thermal state. These datasets, used in conjunction with planetary surface heat transfer algorithms, have been crucially important to certify landing sites or prepare rover traverses by deriving regolith thermophysical properties. Future robotic and human missions to Mars will continue to rely on this type of work. However, new needs are emerging as the potential for in situ resource utilization will become an increasingly important criterion for landing site selection. In particular, demonstrating the presence of shallow ice is going to become necessary in some cases, but proving its absence will also sometimes become desirable (planetary protection). We seek a candidate who can help us improve numerical tools used to map the presence of shallow ice, and other surface layer attributes from thermal infrared data at selected locations of interest for possible future human exploration; this activity will include upgrading the current atmospheric treatment of an existing well-established planetary regolith model with a state-of-the-art preexisting 1D radiative transfer model in order to refine the heat exchange treatment at the atmosphere/surface interface. Other improvements will involve coupling the subsurface with a full GCM. The resulting improved thermal model will be used to reanalyze temperature datasets at selected sites of interest for upcoming missions to Mars. The results of the research would be disseminated through publications and at domestic and international conferences.

Proposal Scaffold

Ask AI | You are an expert grant writer, write your response with an authoritative tone and an academic writing style, please do not tell me how to do it, I want you to do actually do it! please make me the heading outline of a proposal i want to submit. Here is the solicitation:

Over the last 5 decades, NASA missions to Mars have returned a wealth of measurements characterizing its surface's thermal state. These datasets, used in conjunction with planetary surface heat transfer algorithms, have been crucially important to certify landing sites or prepare rover traverses by deriving regolith thermophysical properties. Future robotic and human missions to Mars will continue to rely on this type of work. However, new needs are emerging as the potential for in situ resource utilization will become an increasingly important criterion for landing site selection. In particular, demonstrating the presence of shallow ice is going to become necessary in some cases, but proving its absence will also sometimes become desirable (planetary protection).

We seek a candidate who can help us improve numerical tools used to map the presence of shallow ice, and other surface layer attributes from thermal infrared data at selected locations of interest for possible future human exploration; this activity will include upgrading the current atmospheric treatment of an existing well-established planetary regolith model with a state-of-the-art preexisting 1D radiative transfer model in order to refine the heat exchange treatment at the atmosphere/surface interface. Other improvements will involve coupling the subsurface with a full GCM. The resulting improved thermal model will be used to reanalyze temperature datasets at selected sites of interest for upcoming missions to Mars. The results of the research would be disseminated through publications and at domestic and international conferences. This research opportunity would be most suitable for individuals with experience developing scientific applications with programming languages; willing to manipulate preexisting scientific algorithms; able to work independently; interested in working at the interface between fundamental research and planetary mission work; knowledgeable about atmospheric physics.

[>>Response](#)

Text Improvement (Use ChatGPT-4 for best result)

Proposal Link https://jabunce.files.wordpress.com/2014/11/bunce_nsf_proposal_2011_rejected.pdf

NOTE: This is a general prompt, the more context you can provide the better the response. For example, do you have previous comments, do you have previous evaluations or panel feedback? Do you have an example “Good” piece of text you want use as an example to evaluate your text by?

Ask AI | Please suggest changes to this text, show me the original, the new and tell me why you are making these suggestions, put this into a table:

INTRODUCTION Overview This 25-month investigation examines the relationship between inter-ethnic interactions, perceptions, and the cultural content of ethnic groups. Evidence from ethnography, psychological experiments, and evolutionary models supports the intuition that inter-ethnic interactions among individuals play an important role in the changing cultural content of an ethnic group, i.e., the norms (beliefs about what is acceptable behavior) and the symbolic markers (dress, language, etc.) perceived to be shared by co-ethnics. However, the mechanisms underlying this relationship remain poorly understood. This study asks the question: How do patterns of interaction among people of different ethnicities relate to the actual and perceived distributions of ethnictypical norms of behavior and symbolic markers across an ethnic boundary? This question is addressed in two ways. First, ethnographic and experimental methods are used to explore correlations among these variables in the field. Second, agent-based models are developed to explore causal mechanisms underlying the observed patterns. The study population consists of the minority indigenous Matsigenka ethnic group and the majority Mestizo ethnic group in lowland forests along the Manu River in southeastern Peru. Although still limited, Matsigenka Mestizo interaction has increased steadily in the Manu region in recent years, spurring political debate about how such interaction leads to change in traditional Matsigenka norms of behavior (e.g., Terborgh 1999). This study aims to produce new insight into the roles of inter-ethnic interactions, markers, and out-group perceptions in cultural change across an ethnic boundary.

Theoretical Background Definitions and Relationships among Terms An ethnic group is here defined as a social group to which individuals ascribe themselves and to which they are ascribed by others, based on a perception of shared ancestry and, usually, a range of subjectively important shared norms (beliefs about what is appropriate behavior) and symbolic markers (language, dress, etc.) (adapted from: Barth 1998[1969]; Gil White 1999; Weber 1968). A boundary between two ethnicities is usually characterized by a sharp division of perceived ancestry, norms, and markers between individuals identifying with different ethnic groups. People who can credibly claim membership in more than one ethnic group tend to choose to identify with only one at a time (Alba 1990; Nagel 1996; Waters 1990), or to create a new separate ethnicity (Nagata 1981), thereby preserving boundaries. Boundaries between ethnicities can be maintained despite the fact that the norms and markers of ethnic groups may change over time. In particular, norms held by individuals of two frequently-interacting ethnic groups may evolve to become similar in the contexts of interaction, as shared norms tend to make coordinated interactions more mutually beneficial (Barth 1998[1969]; McElreath et al. 2003). For example, shared beliefs about what constitutes fairness make exchanges more efficient. Norms are broadly defined as beliefs about what is appropriate behavior, and encompass the personal, descriptive, and social norms of Bicchieri (2006). Norms can have important behavioral consequences (Schultz et al. 2007), and much inter-ethnic behavioral variation in a given context is here assumed to result from the application of different norms. Such norm differences may often result from inter-ethnic differences in knowledge (Atran et al. 2002), though they need not. A coordination interaction (interaction below) is an interaction in which all actors receive a greater (though not necessarily equal) benefit if they act in concordant rather than discordant manners, and, by extension, hold concordant rather than discordant norms in the domain of interaction (McElreath et al. 2003). Examples of coordination interactions might include those between employers/employees, buyers/vendors, and spouses.

>>Response

2. RESPONSES



>>Make me a kid's story outline based on the plot of the movie Hunger Games, but replace the humans with cats and give it a strong cat theme, use cat like names and places. Please use chapter headings

Response

Chapter 1: Whisker District

Introduce Purrness, a young cat skilled in hunting mice and birds.

Life is tough in Whisker District, part of the larger Catdom ruled by the Lion Capitol.

Purrness volunteers for the Catnip Games to save her younger sister, Kittyrose, who is selected in the "Purrade."

Chapter 2: The Journey to Lion Capitol

Purrness and Meowgar, the male tribute, take a train to the Lion Capitol.

Meet their mentors: Catnip Everclean and Haymeowtch, former winners of the Catnip Games.

Chapter 3: Training and Clawsplay

Tributes are trained in combat, hunting, and climbing trees.

Purrness excels in archery using her tiny bow and arrow.

Chapter 4: Purrade of Tributes

Tributes participate in a parade, drawing attention from the elite cats of the Lion Capitol.

Purrness and Meowgar wear sparkling collars, gaining the nickname "the Star-Crossed Purrmates."

Chapter 5: Interviews and Alliances

Tributes are interviewed by feline host, Catniss Larkfur.

Purrness wins over the audience, scoring high points from the judges.

Chapter 6: Into the Catnip Arena

The games begin; tributes are placed in a forest filled with traps and predatory animals.

Purrness forms an alliance with Ruepaw, a clever but small tribute.

Chapter 7: The Mice Feast

A feast is announced; tributes must gather at a central point for valuable supplies.

Ruepaw is trapped; Purrness risks her life to save her.

Chapter 8: The Climb

Tributes are forced towards a mountain peak by a wall of chasing dogs.

Purrness and Meowgar team up to survive.

Chapter 9: The Final Catfrontation

Purrness and Meowgar face off against the remaining tributes.

They refuse to fight each other, threatening to eat poisonous berries.

Chapter 10: The Return to Whisker District

The Lion Capitol, not wanting to lose both star tributes, declare them winners.

They return as heroes but are wary of the political unrest they have triggered.

Chapter 11: The Spark of Rebellion

Whisker District sees Purrness and Meowgar as symbols of resistance.

Tensions rise as the district cats begin to question the Lion Capitol's authority.

Chapter 12: The Uncertain Future

Purrness reflects on the changes in her life and the impending revolution.

The story ends with her realization that life in Whisker District will never be the same again.

AI Generated Letter of Support

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>>You are an expert research development specialist working for a university. Write a letter of support for a proposal from a faculty member in chemical engineering. The proposal title this letter will support is 'Optical probe for Regolith Analysis for Martian Exploration.' Leave the university name blank

Response

[University Name]

[Department]

[Address]

[City, State, Zip]

[Date]

[Name of Funding Organization]

[Address]

[City, State, Zip]

To Whom It May Concern,

I am writing as the Research Development Specialist at [University Name] to express strong support for the proposal submitted by [Faculty Member's Name], titled "Optical Probe for Regolith Analysis for Martian Exploration."

The importance of regolith analysis in understanding Martian topography, climate, and potential for life cannot be overstated. [Faculty Member's Name] has a strong track record in both academic research and practical applications in chemical engineering. This proposal leverages state-of-the-art technology in optical spectroscopy, combined with innovative methodologies, to advance our understanding of Martian soil characteristics.

The project aligns well with current research initiatives at [University Name], and it is backed by an interdisciplinary team of experts in engineering, physics, and planetary sciences. I am convinced that the research will produce high-quality, actionable data that can significantly contribute to our current understanding of Martian surface conditions.

Additionally, the proposal is financially sound, with a realistic budget and timeline that reflect [Faculty Member's Name]'s thorough understanding of the project's scope and the logistical considerations it entails. The impact of the work extends beyond academia, potentially benefiting future Mars missions and opening up avenues for collaboration with space agencies.

I am confident that the proposed research will be conducted effectively and successfully under the guidance of [Faculty Member's Name]. I strongly endorse this proposal and recommend it for full funding.

Sincerely,

[Your Name]

[Your Position]

[University Name]

[Email]

[Phone Number]

AI Generated Summarizing a Solicitation

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- NASA has been collecting Mars surface thermal data for 5 decades, crucial for landing sites and rover paths.
 - Future missions will focus on in situ resource utilization, requiring mapping of shallow ice.
 - Job opening for someone to improve numerical tools for mapping shallow ice and thermal attributes.
 - Role involves upgrading existing planetary regolith model and coupling it with a full GCM.
 - Improved model will reanalyze temperature datasets for future missions.
 - Ideal candidate experienced in scientific programming, algorithm manipulation, and atmospheric physics.
-

Proposal Outline for NASA Mars Mission: Enhancing Numerical Tools for Mapping Shallow Ice and Surface Layer Attributes

I. Executive Summary

Brief overview of the project's scope, objectives, and expected outcomes

Relevance to NASA's Mars mission objectives and the broader scientific community

II. Introduction

Historical context of Mars missions and thermal state measurements

Identification of emerging needs for in situ resource utilization

Rationale for the proposed research

III. Objectives and Scope

A. Primary Objectives

Improve numerical tools for mapping the presence of shallow ice

Upgrade the atmospheric treatment of existing planetary regolith models

Couple the subsurface with a full General Circulation Model (GCM)

B. Secondary Objectives

Reanalyze temperature datasets at selected sites

Disseminate research findings through publications and conferences

IV. Methodology

A. Data Collection and Analysis

Thermal infrared data acquisition

Planetary surface heat transfer algorithms

B. Model Upgrades

Integration of a 1D radiative transfer model

Refinement of heat exchange treatment at the atmosphere/surface interface

C. Computational Tools

Programming languages and scientific algorithms to be used

V. Expected Outcomes

Enhanced numerical tools for shallow ice mapping

Improved thermal models for upcoming Mars missions

Contributions to planetary protection and resource utilization

VI. Timeline and Milestones

Detailed project timeline, broken down by phases and tasks

Key milestones and deliverables

VII. Budget and Resources

Itemized budget, including personnel, equipment, and software

Justification for each budget item

VIII. Qualifications and Team Composition

Expertise in scientific applications development

Knowledge in atmospheric physics

Ability to work independently and at the interface between fundamental research and planetary mission work

IX. Dissemination and Impact

Plan for publishing research findings

Participation in domestic and international conferences

X. Conclusion

Summary of the project's significance and expected contributions to Mars missions and planetary science

XI. Appendices

Supplementary material, such as data samples, preliminary results, and letters of support

XII. References

Citations for all referenced works and relevant literature

This outline serves as a comprehensive framework for the proposed research, addressing both the specific requirements set forth by NASA and the broader scientific objectives.

Text Improvement (Use ChatGPT-4 for best result)

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Original Text	Suggested Text	Reason for Suggestion
<p>This 25-month investigation examines the relationship between inter-ethnic interactions, perceptions, and the cultural content of ethnic groups.</p>	<p>This study, spanning 25 months, explores the link between inter-ethnic interactions, perceptions, and the cultural traits of ethnic groups.</p>	<p>Simplified language for easier understanding.</p>
<p>Evidence from ethnography, psychological experiments, and evolutionary models supports the intuition that inter-ethnic interactions among individuals play an important role in the changing cultural content of an ethnic group, i.e., the norms (beliefs about what is acceptable behavior) and the symbolic markers (dress, language, etc.) perceived to be shared by co-ethnics.</p>	<p>Evidence from ethnography, psychology, and evolutionary studies confirms that inter-ethnic interactions significantly influence the evolving norms and symbolic markers, such as dress and language, within an ethnic group.</p>	<p>Condensed and clarified the sentence for brevity and clarity.</p>
<p>However, the mechanisms underlying this relationship remain poorly understood.</p>	<p>However, the underlying mechanisms of this relationship are not yet fully understood.</p>	<p>Clarified the extent of current understanding.</p>
<p>This study asks the question: How do patterns of interaction among people of different ethnicities relate to the actual and perceived distributions of ethnictypical norms of behavior and symbolic markers across an ethnic boundary?</p>	<p>This study investigates how interaction patterns between different ethnic groups affect both the actual and perceived norms and symbolic markers across ethnic boundaries.</p>	<p>Simplified the question for clarity.</p>
<p>The study population consists of the minority indigenous Matsigenka ethnic group and the majority Mestizo ethnic group in lowland forests along the Manu River in southeastern Peru.</p>	<p>The study focuses on the indigenous Matsigenka and the majority Mestizo ethnic groups, residing in the lowland forests near the Manu River in southeastern Peru.</p>	<p>Streamlined the sentence for brevity.</p>
<p>Although still limited, Matsigenka Mestizo interaction has increased steadily in the Manu region in recent years, spurring political debate about how such interaction leads to change in traditional Matsigenka norms of behavior (e.g., Terborgh 1999).</p>	<p>Despite being limited, interactions between Matsigenka and Mestizo have been on the rise in the Manu region, fueling political debates about their impact on traditional Matsigenka</p>	<p>Simplified and condensed the sentence for clarity.</p>

Original Text	Suggested Text	Reason for Suggestion
<p>This study aims to produce new insight into the roles of inter-ethnic interactions, markers, and out-group perceptions in cultural change across an ethnic boundary.</p>	<p>norms. This study seeks to shed new light on how inter-ethnic interactions, markers, and perceptions from outside the group contribute to cultural shifts across ethnic lines.</p>	<p>Clarified the study's aim for better understanding.</p>
<p>An ethnic group is here defined as a social group to which individuals ascribe themselves and to which they are ascribed by others, based on a perception of shared ancestry and, usually, a range of subjectively important shared norms (beliefs about what is appropriate behavior) and symbolic markers (language, dress, etc.)</p>	<p>Here, an ethnic group is defined as a social collective where individuals identify themselves and are identified by others based on perceived shared ancestry, norms, and symbolic markers like language and dress.</p>	<p>Simplified the definition for clarity.</p>
<p>A boundary between two ethnicities is usually characterized by a sharp division of perceived ancestry, norms, and markers between individuals identifying with different ethnic groups.</p>	<p>A boundary between two ethnic groups is often marked by distinct differences in perceived ancestry, norms, and symbolic markers.</p>	<p>Condensed the sentence for brevity.</p>
<p>People who can credibly claim membership in more than one ethnic group tend to choose to identify with only one at a time (Alba 1990; Nagel 1996; Waters 1990), or to create a new separate ethnicity (Nagata 1981), thereby preserving boundaries.</p>	<p>Individuals with multi-ethnic affiliations usually identify with just one group at a time or create a new, separate ethnicity, thus maintaining distinct boundaries.</p>	<p>Simplified and condensed the sentence for clarity.</p>
<p>Boundaries between ethnicities can be maintained despite the fact that the norms and markers of ethnic groups may change over time.</p>	<p>Ethnic boundaries can persist even as the norms and markers within the groups evolve.</p>	<p>Simplified the sentence for easier understanding.</p>
<p>In particular, norms held by individuals of two frequently-interacting ethnic groups may evolve to become similar in the contexts of interaction, as shared norms tend to make coordinated interactions more mutually beneficial (Barth 1998[1969]; McElreath et al. 2003).</p>	<p>Specifically, frequently interacting ethnic groups may develop similar norms, as shared beliefs often make interactions more mutually beneficial.</p>	<p>Condensed the sentence for brevity and clarity.</p>
<p>Examples of coordination interactions might include those between employers/employees, buyers/vendors, and spouses.</p>	<p>Examples of such interactions include employer-employee, buyer-vendor, and</p>	<p>Simplified language and structure for</p>

Original Text

Suggested Text

Reason for
Suggestion

spousal relationships.

clarity.