

Matriz de Esfuerzo para Proyectos de IA Generativa

Este documento presenta la creación y análisis de una matriz de esfuerzo para evaluar y priorizar proyectos de IA generativa. A continuación, se muestran las preguntas de evaluación y los puntajes asignados a tres proyectos hipotéticos: Alpha, Beta y Gamma.

Puntajes para Proyecto Alpha:

Does the project require the use of advanced AI algorithms?: 2

Is it necessary to create custom AI models?: 2

Does the project involve customizing or fine-tuning pre-trained models for specific needs?: 2

Are additional components or complementary developments required beyond the existing model?: 2

Does the project need integration with existing automation tools (e.g., Power Automate, Selenium)?:
2

Is there a high level of integration needed with other platforms or systems?: 2

Are the necessary data available in the appropriate format?: 2

Does the project involve processing unstructured documents?: 2

Are there complexities associated with parsing or converting file formats?: 2

Is Optical Character Recognition (OCR) required for processing scanned documents?: 2

Do the data require significant preprocessing or cleaning?: 2

Do the data require additional labeling or annotations?: 2

Are there challenges related to data quality, such as noise, errors, or inconsistencies?: 2

Is the project dealing with large volumes of data or big data considerations?: 2

Are current computational resources sufficient to implement the project?: 2

Is additional infrastructure needed (e.g., GPUs, cloud services, etc.)?: 2

Does the project require special considerations for data security or privacy?: 2

Are complex database operations or optimizations needed?: 2

Does the project involve real-time data retrieval or updates?: 2

Are there security considerations when accessing or modifying database data?: 2

Does the team have experience in generative AI and existing models?: 2

Is training or hiring specialized personnel required?: 2

Is collaboration with external experts or consultants necessary?: 2

Can the project be completed within a reasonable timeframe?: 2

Are there tight or critical deadlines that must be met?: 2

Is the estimated implementation time reasonable for the project's scope?: 2

Will the project provide significant improvements to current processes or products?: 2

Will it generate competitive advantages or open new business opportunities?: 2

Is a high return on investment (ROI) expected?: 2

What is the level of technological risk associated with using generative AI in this context?: 2

Are there uncertainties regarding user acceptance or market adoption?: 2

Does the project depend on emerging or unproven technologies?: 2

Does the project fit within the available budget?: 2

Are there additional costs not initially considered (licenses, subscriptions, etc.)?: 2

Is funding secured for all stages of the project?: 2

Can the system be easily scaled to meet increased demand?: 2

Are maintenance costs sustainable in the long term?: 2

Is it easy to update or improve the system in the future?: 2

Does the project comply with applicable regulations and standards (data protection, privacy, etc.)?:

2

Are there ethical considerations in using generative AI that need to be addressed?: 2

Is it necessary to obtain special permissions or licenses?: 2

Does the project require a complex or highly customized user interface?: 2

Is it necessary to conduct usability or user experience testing?: 2

Is the system expected to be used by non-technical users?: 2

What types of files need to be processed (e.g., PDFs, Word documents, images, audio)?: 2

Does the project involve extracting information from unstructured documents?: 2

Are there complexities associated with parsing or converting file formats?: 2

Is OCR required for processing scanned documents?: 2

Does the project involve processing large volumes of data or big data considerations?: 2

Are there challenges related to data quality, such as noise, errors, or inconsistencies?: 2

Does the project require querying databases to generate responses?: 2

Is integration with existing database systems necessary?: 2

Are complex database operations or optimizations needed?: 2

Does the project involve real-time data retrieval or updates?: 2

Are there security considerations when accessing or modifying database data?: 2

Who are the end-users of the system (technical, non-technical, customers, internal staff)?: 2

Does the project need to accommodate multiple user roles or permissions?: 2

Is user authentication and authorization required?: 2

Are there specific user experience (UX) requirements or accessibility considerations?: 2

Does the system need to support multiple languages or localization?: 2

Is user training or onboarding necessary for effective use of the system?: 2

What is the expected format of the responses (text, structured data, reports, visualizations)?: 2

Do the responses need to be highly accurate or precise?: 2

Is there a requirement for the responses to comply with specific standards or regulations?: 2

Are the responses time-sensitive or require real-time generation?: 2

Does the project involve generating personalized responses based on user data?: 2

Is post-processing of the AI-generated output necessary before presenting it to users?: 2

Do the responses need to be stored or logged for future reference or compliance?: 2

Do the outputs need to trigger automated actions or workflows?: 2

Is there a need to integrate outputs with other systems or APIs?: 2

Does the project require monitoring and logging of outputs for compliance or analytics?: 2

Are there feedback mechanisms to improve the quality of outputs over time?: 2

Does the project require the generative AI to adapt to different contexts or use cases?: 2

Is it necessary to allow high levels of customization for the end-user?: 2

Does the system need to support multiple languages or data formats?: 2

Does the project involve collaboration between multiple teams or departments?: 2

Is it necessary to coordinate with external partners or vendors?: 2

Are there significant challenges in project communication and management?: 2

Does the project require additional automations (e.g., with Power Automate, Selenium)?: 2

Is it necessary to automate actions based on the AI-generated outputs?: 2

Will the implementation affect multiple departments or business areas?: 2

Puntajes para Proyecto Beta:

Does the project require the use of advanced AI algorithms?: 3

Is it necessary to create custom AI models?: 3

Does the project involve customizing or fine-tuning pre-trained models for specific needs?: 3

Are additional components or complementary developments required beyond the existing model?: 3

Does the project need integration with existing automation tools (e.g., Power Automate, Selenium)?:

3

Is there a high level of integration needed with other platforms or systems?: 3

Are the necessary data available in the appropriate format?: 3

Does the project involve processing unstructured documents?: 3

Are there complexities associated with parsing or converting file formats?: 3

Is Optical Character Recognition (OCR) required for processing scanned documents?: 3

Do the data require significant preprocessing or cleaning?: 3

Do the data require additional labeling or annotations?: 3

Are there challenges related to data quality, such as noise, errors, or inconsistencies?: 3

Is the project dealing with large volumes of data or big data considerations?: 3

Are current computational resources sufficient to implement the project?: 3

Is additional infrastructure needed (e.g., GPUs, cloud services, etc.)?: 3

Does the project require special considerations for data security or privacy?: 3

Are complex database operations or optimizations needed?: 3

Does the project involve real-time data retrieval or updates?: 3

Are there security considerations when accessing or modifying database data?: 3

Does the team have experience in generative AI and existing models?: 3

Is training or hiring specialized personnel required?: 3

Is collaboration with external experts or consultants necessary?: 3

Can the project be completed within a reasonable timeframe?: 3

Are there tight or critical deadlines that must be met?: 3

Is the estimated implementation time reasonable for the project's scope?: 3

Will the project provide significant improvements to current processes or products?: 3

Will it generate competitive advantages or open new business opportunities?: 3

Is a high return on investment (ROI) expected?: 3

What is the level of technological risk associated with using generative AI in this context?: 3

Are there uncertainties regarding user acceptance or market adoption?: 3

Does the project depend on emerging or unproven technologies?: 3

Does the project fit within the available budget?: 3

Are there additional costs not initially considered (licenses, subscriptions, etc.)?: 3

Is funding secured for all stages of the project?: 3

Can the system be easily scaled to meet increased demand?: 3

Are maintenance costs sustainable in the long term?: 3

Is it easy to update or improve the system in the future?: 3

Does the project comply with applicable regulations and standards (data protection, privacy, etc.)?:

Are there ethical considerations in using generative AI that need to be addressed?: 3

Is it necessary to obtain special permissions or licenses?: 3

Does the project require a complex or highly customized user interface?: 3

Is it necessary to conduct usability or user experience testing?: 3

Is the system expected to be used by non-technical users?: 3

What types of files need to be processed (e.g., PDFs, Word documents, images, audio)?: 3

Does the project involve extracting information from unstructured documents?: 3

Are there complexities associated with parsing or converting file formats?: 3

Is OCR required for processing scanned documents?: 3

Does the project involve processing large volumes of data or big data considerations?: 3

Are there challenges related to data quality, such as noise, errors, or inconsistencies?: 3

Does the project require querying databases to generate responses?: 3

Is integration with existing database systems necessary?: 3

Are complex database operations or optimizations needed?: 3

Does the project involve real-time data retrieval or updates?: 3

Are there security considerations when accessing or modifying database data?: 3

Who are the end-users of the system (technical, non-technical, customers, internal staff)?: 3

Does the project need to accommodate multiple user roles or permissions?: 3

Is user authentication and authorization required?: 3

Are there specific user experience (UX) requirements or accessibility considerations?: 3

Does the system need to support multiple languages or localization?: 3

Is user training or onboarding necessary for effective use of the system?: 3

What is the expected format of the responses (text, structured data, reports, visualizations)?: 3

Do the responses need to be highly accurate or precise?: 3

Is there a requirement for the responses to comply with specific standards or regulations?: 3

Are the responses time-sensitive or require real-time generation?: 3

Does the project involve generating personalized responses based on user data?: 3

Is post-processing of the AI-generated output necessary before presenting it to users?: 3

Do the responses need to be stored or logged for future reference or compliance?: 3

Do the outputs need to trigger automated actions or workflows?: 3

Is there a need to integrate outputs with other systems or APIs?: 3

Does the project require monitoring and logging of outputs for compliance or analytics?: 3

Are there feedback mechanisms to improve the quality of outputs over time?: 3

Does the project require the generative AI to adapt to different contexts or use cases?: 3

Is it necessary to allow high levels of customization for the end-user?: 3

Does the system need to support multiple languages or data formats?: 3

Does the project involve collaboration between multiple teams or departments?: 3

Is it necessary to coordinate with external partners or vendors?: 3

Are there significant challenges in project communication and management?: 3

Does the project require additional automations (e.g., with Power Automate, Selenium)?: 3

Is it necessary to automate actions based on the AI-generated outputs?: 3

Will the implementation affect multiple departments or business areas?: 3

Puntajes para Proyecto Gamma:

Does the project require the use of advanced AI algorithms?: 5

Is it necessary to create custom AI models?: 5

Does the project involve customizing or fine-tuning pre-trained models for specific needs?: 5

Are additional components or complementary developments required beyond the existing model?: 5

Does the project need integration with existing automation tools (e.g., Power Automate, Selenium)?:

5

Is there a high level of integration needed with other platforms or systems?: 5

Are the necessary data available in the appropriate format?: 5

Does the project involve processing unstructured documents?: 5

Are there complexities associated with parsing or converting file formats?: 5

Is Optical Character Recognition (OCR) required for processing scanned documents?: 5

Do the data require significant preprocessing or cleaning?: 5

Do the data require additional labeling or annotations?: 5

Are there challenges related to data quality, such as noise, errors, or inconsistencies?: 5

Is the project dealing with large volumes of data or big data considerations?: 5

Are current computational resources sufficient to implement the project?: 5

Is additional infrastructure needed (e.g., GPUs, cloud services, etc.)?: 5

Does the project require special considerations for data security or privacy?: 5

Are complex database operations or optimizations needed?: 5

Does the project involve real-time data retrieval or updates?: 5

Are there security considerations when accessing or modifying database data?: 5

Does the team have experience in generative AI and existing models?: 5

Is training or hiring specialized personnel required?: 5

Is collaboration with external experts or consultants necessary?: 5

Can the project be completed within a reasonable timeframe?: 5

Are there tight or critical deadlines that must be met?: 5

Is the estimated implementation time reasonable for the project's scope?: 5

Will the project provide significant improvements to current processes or products?: 5

Will it generate competitive advantages or open new business opportunities?: 5

Is a high return on investment (ROI) expected?: 5

What is the level of technological risk associated with using generative AI in this context?: 5

Are there uncertainties regarding user acceptance or market adoption?: 5

Does the project depend on emerging or unproven technologies?: 5

Does the project fit within the available budget?: 5

Are there additional costs not initially considered (licenses, subscriptions, etc.)?: 5

Is funding secured for all stages of the project?: 5

Can the system be easily scaled to meet increased demand?: 5

Are maintenance costs sustainable in the long term?: 5

Is it easy to update or improve the system in the future?: 5

Does the project comply with applicable regulations and standards (data protection, privacy, etc.)?:
5

Are there ethical considerations in using generative AI that need to be addressed?: 5

Is it necessary to obtain special permissions or licenses?: 5

Does the project require a complex or highly customized user interface?: 5

Is it necessary to conduct usability or user experience testing?: 5

Is the system expected to be used by non-technical users?: 5

What types of files need to be processed (e.g., PDFs, Word documents, images, audio)?: 5

Does the project involve extracting information from unstructured documents?: 5

Are there complexities associated with parsing or converting file formats?: 5

Is OCR required for processing scanned documents?: 5

Does the project involve processing large volumes of data or big data considerations?: 5

Are there challenges related to data quality, such as noise, errors, or inconsistencies?: 5

Does the project require querying databases to generate responses?: 5

Is integration with existing database systems necessary?: 5

Are complex database operations or optimizations needed?: 5

Does the project involve real-time data retrieval or updates?: 5

Are there security considerations when accessing or modifying database data?: 5

Who are the end-users of the system (technical, non-technical, customers, internal staff)?: 5

Does the project need to accommodate multiple user roles or permissions?: 5

Is user authentication and authorization required?: 5

Are there specific user experience (UX) requirements or accessibility considerations?: 5

Does the system need to support multiple languages or localization?: 5

Is user training or onboarding necessary for effective use of the system?: 5

What is the expected format of the responses (text, structured data, reports, visualizations)?: 5

Do the responses need to be highly accurate or precise?: 5

Is there a requirement for the responses to comply with specific standards or regulations?: 5

Are the responses time-sensitive or require real-time generation?: 5

Does the project involve generating personalized responses based on user data?: 5

Is post-processing of the AI-generated output necessary before presenting it to users?: 5

Do the responses need to be stored or logged for future reference or compliance?: 5

Do the outputs need to trigger automated actions or workflows?: 5

Is there a need to integrate outputs with other systems or APIs?: 5

Does the project require monitoring and logging of outputs for compliance or analytics?: 5

Are there feedback mechanisms to improve the quality of outputs over time?: 5

Does the project require the generative AI to adapt to different contexts or use cases?: 5

Is it necessary to allow high levels of customization for the end-user?: 5

Does the system need to support multiple languages or data formats?: 5

Does the project involve collaboration between multiple teams or departments?: 5

Is it necessary to coordinate with external partners or vendors?: 5

Are there significant challenges in project communication and management?: 5

Does the project require additional automations (e.g., with Power Automate, Selenium)?: 5

Is it necessary to automate actions based on the AI-generated outputs?: 5

Will the implementation affect multiple departments or business areas?: 5

