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Article

Cadena de suministros de una tienda

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Simple Summary: El siguiente documento es un estudio realizado en R estudiando el comportamiento de los inventarios.

Abstract: El presente documento es un estudio realizado en base a una base de datos extraida de Google Data. Los datos son referenciados a una tienda, en al cual se ofrecen diversos tipos de bebidas alcoholicas y no alcoholicas. El fin del uso de la base de datos es analizarla mediante R Studio, analizando la data y la información relevante en respecto a la gestion de almacenes.

Keywords: Gestion de Inventarios, KPI, Gestion de Almacenes.

1. Introduction

1.1. Estado del arte

Realizamos una busqueda en Google Academico con las siguientes palabras clave: *Stores* Logistics warehouse management *Suply chain datasets* Datasets

El resultado brindo 329.000 articulos. De la revision de los articulos mas interesantes, se selecciono para la lectura solamente los siguientes articulos:

Lee, C. K., Lv, Y., Ng, K. K. H., Ho, W., & Choy, K. L. (2018). Design and application of Internet of things-based warehouse management system for smart logistics. International Journal of Production Research, 56(8), 2753-2768.

Kučera, T. (2017). Logistics cost calculation of implementation warehouse management system: a case study. In MATEC Web of Conferences. Vol. 134 (2017): 18th International Scientific Conference-LOGI 2017. EDP Sciences.

Ten Hompel, M., & Schmidt, T. (2008). Warehouse management. Springer Berlin Heidelberg.

El tema de manejo d inventarios es importante para la gestion de la cadena de suministros. Ya que, un inventarios que se gestiona de una manera organizada facilita los procesos de la empresa. Los indicadores son escenciales para el control de la gestion de los almacenes, independiente mente de los productos que ofrezcan. Mediante el desarrollo de nuevas tecnologias lso indicadores clave de desempeño (KPI) se enfocan en todas as areas de la empresa, siempre y cando se tenga informacion de la empresa.

Las sigueintes palabras clave fueron destacadas al revisar la bibliografia: *Stores* Logistics warehouse management *Suply chain datasets* Datasets *KPI

2. Metodos

Para realizar el estudio de la base de datos, esta fue encontrada en repositorios de Google Data, en formato csv con el nombre de Warehouse and Retail Sales. Se procuro hallar datos lo mas similares posibles a la realidad de un almacen de producto terminado, para de esta manera realizar el analisis de su data y poder sacar informacion de los resultados.

Citation: Leutnant, D.; Doe, J. Cadena de suministros de una tienda. *Journal Not Specified* **2023**, *1*, 0.

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Trabajo_Final_Inventario_files/figure-latex/fig1-1.

Figure 1. A figure added with a code chunk.

3. Results
This section may be divided by subheadings. It should provide a concise and precise description of the experimental results, their interpretation as well as the experimental conclusions that can be drawn.3.1. Subsection Heading Here
Subsection text here.

3.1.1. Subsubsection Heading Here

Bulleted lists look like this:

- First bullet
 Second bullet
 Third bullet
 - Numbered lists can be added as follows:
- 2. Second item3. Third item

1.

First item

The text continues here.

3.2. Figures, Tables and Schemes

All figures and tables should be cited in the main text as Figure 1, 1, etc. To get cross-reference to figure generated by R chunks include the beta tag in the fig.cap attribute of the R chunk: fig.cap = "Fancy Captionbeta".

When making tables using kable, it is suggested to use the format="latex" and tabl.envir="table" arguments to ensure table numbering and compatibility with the mdpi document class.

Table 1. This is a table caption. Tables should be placed in the main text near to the first time they are cited.

	mpg	cyl	disp
Mazda RX4	21.0	6	160
Mazda RX4 Wag	21.0	6	160
Datsun 710	22.8	4	108
Hornet 4 Drive	21.4	6	258
Hornet Sportabout	18.7	8	360

For a very wide table, landscape layouts are allowed.

Table 2. This is a very wide table

Title.1	Title.2	Title.3	Title.4
Entry 1	Data	Data	This cell has some longer content that runs over two lines
Entry 2	Data	Data	Data

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3.3. Formatting of Mathematical Components

This is an example of an equation:

a = 1.

If you want numbered equations use Latex and wrap in the equation environment:

$$a = 1, (1)$$

the text following an equation need not be a new paragraph. Please punctuate equations as regular text.

This is the example 2 of equation:

$$a = b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z$$
 (2)

Theorem-type environments (including propositions, lemmas, corollaries etc.) can be formatted as follows:

Example of a theorem:

Theorem 1. Example text of a theorem

The text continues here. Proofs must be formatted as follows: Example of a proof:

Proof of Theorem1. Text of the proof. Note that the phrase "of Theorem 1" is optional if it is clear which theorem is being referred to.

The text continues here.

4. Discussion

5. Conclusion

Authors should discuss the results and how they can be interpreted in perspective of previous studies and of the working hypotheses. The findings and their implications should be discussed in the broadest context possible. Future research directions may also

be highlighted.

This section is not mandatory, but can be added to the manuscript if the discussion is unusually long or complex.

6. Patents

This section is not mandatory, but may be added if there are patents resulting from the work reported in this manuscript.

Supplementary Materials: The following supporting information can be downloaded at: https://www.mdpi.com/article/10.3390/1010000/s1, Figure S1: title; Table S1: title; Video S1: title.

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Abbreviations

The following abbreviations are used in this manuscript:

MDPI Multidisciplinary Digital Publishing Institute

DOAJ Directory of open access journals

TLA Three letter acronym LD linear dichroism

Appendix G

Appendix G.1

The appendix is an optional section that can contain details and data supplemental to the main text. For example, explanations of experimental details that would disrupt the flow of the main text, but nonetheless remain crucial to understanding and reproducing the research shown; figures of replicates for experiments of which representative data is shown in the main text can be added here if brief, or as Supplementary data. Mathematical proofs of results not central to the paper can be added as an appendix.

Appendix	Н	14
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References		14

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