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# DMP 5024 Final Project

*A Data Management Plan created using DMPTool*

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Template: National Science Foundation (NSF)

Project abstract:

The objective of this project is to identify the issues pallets present in a semi-automated or fully automated warehouse due to pallet design and quantify how this issue affects the operating cost of the supply chain.

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## **Types of data produced**

The data we will be collecting is numerical qualitative and numerical quantitative. The first stage of the project will use numerical qualitative data, this data will describe the diversity of issues warehouses faced when using different pallet's design. The second stage of the project will use numerical quantitative data to describe the economic impact pallet design have in the operating cost of the supply chain.

## **Data and metadata standards**

Do not have any at this point

## **Policies for access and sharing**

This data will be free to use to the public two years after the research is done due to confidential agreements sign with members of the Center of packaging and unit load design.

## **Policies for re-use, re-distribution, derivatives**

None at this point.

## **Plans for archiving and preservation**

For the first stage of the research will be collecting primary data from the industry that will describe the issues companies are currently facing in their warehouse related to pallets. This data will be collected using a survey.

The second stage of the research will be defining an economic model that can represent the economic impact issues related to pallet design (established in the first stage. ) have on the operating cost of the supply chain.