

## Rocky Mountain Lab Rescue Merchandise Inventory Analyzer

Rocky Mountain Lab Rescue proposes a project to create a solution or concept for a solution to analyze and predict the inventory of RMLR merchandise.



Currently, RMLR's merchandise has been inventoried and the available stock is on our website <https://www.rockymountainlabrescue.com/>. If the rescue participants in events and sells items, this inventory is updated and tracked using a mobile-responsive app built by a previous Mines CS Field Session team which integrates with RMLR's web store and tracks and updates the website inventory. RMLR's team would love to build upon this solution to start understanding the sales trends for the merchandise that is sold at events so they can order the more popular products with timing for upcoming events and not spend money on merchandise that just doesn't move as fast (items, colors, etc.). The thought is that the student team would need to export data from the webstore (WooCommerce) and the inventory app and create some sort of dashboard with a login. The data could also be used to make purchase predictions using machine learning and predictive models. Going forward we will pursue fewer merchandise options which will streamline inventory, so knowing which colors and sizes sell better will inform those decisions.

The website is built in WordPress and uses WooCommerce for the online store.

### **ABOUT RMLR**

RMLR consists of a small group of dedicated volunteers that find and re-home local and out of state Labrador Retrievers and Lab Mixes. We all have full time jobs, families, and other activities in our lives, but are passionate about trying to save as many dogs as we can. We spend our own time working on the organization, planning to get these dogs out of shelters before they are euthanized, scheduling vet appointments, transporting dogs across the country and processing adoption applications. We find our Labs mostly through shelter volunteers out of state who will alert us to great dogs that don't have a future where they are at. Many of these labs are in "High Kill Shelters" that are almost always full because they are in rural areas where the dogs run stray and have lots of puppies because they have not been altered.