Department of Defense

Worksheet

**What are you looking at?** [A dataset of transfers from 2014-2018](https://drive.google.com/open?id=1aesLA0MZhq8zSs_9OhXiVLPUGSOU0St9y-dFgbHg8tg) of Department of Defense property to local and state law enforcement agencies in 7 states (Alabama, California, Florida, Kentucky, Michigan, Missouri and Texas).

**NOTE: We have altered many of these datasets for instructional purposes, so please download the data from the original source if you want to use it in your reporting.**

**Where we got this data:** [dla.mil](https://www.dla.mil/DispositionServices/Offers/Reutilization/LawEnforcement/PublicInformation.aspx), the Defense Logistics Agency.

***Before you begin*:**

Take a moment to look at what’s included in each row and column.

* A quick way to check what’s in a very large dataset is to turn on filters and then click on the triangle to see what all the values are in a column.
* Notice that every row is a shipment of a number of items. So you could have multiple shipments of say, clamps, to various agencies and in various quantities.

Without doing any analysis yet, what are three questions you might try to answer using this dataset?

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**Some questions to answer:**

1. What’s the most expensive item on this list?
2. How many mine resistant vehicles have been transferred over this time period?
3. How many unmanned vehicles have been transferred? (do this a different way from what you did for mine resistant vehicles)
4. What’s the most common item...
   1. based on the number of shipments?
      1. How about just shipments in 2018?
   2. based on the quantity shipped?
      1. How about just for items over $10,000?
5. Let’s look at the trends over time:
   1. Make a table listing the number of shipments each year and then chart it. Remember you can group dates in a pivot table!
   2. On your table, add a column for the average value of an item shipped each year.
   3. Add a column for the median value of items shipped each year.
   4. And finally, show the total value of items shipped each year.

Note: the acquisition value is *per unit*.

1. Which law enforcement agency has received the most items by quantity?
   1. Compare this agency to the 2nd highest recipient agency. What are some differences between the two?
   2. What are the 3 items that the top agency received the most *last year*?
2. Make a table listing all the states and the quantity of each item they received.
   1. Which 3 states received the most items?
3. How many university and college police departments are on this list?

Hint: sometimes university departments are listed using the abbreviation “Univ”.

* 1. Make a table showing:
     1. the quantity of items they’ve received,
     2. the median value, and
     3. the total value of items they’ve received.
  2. Look at the higher ed police department that’s received the most based on total value. What item contributed to that big number?