

1. Open the file [vgsales.xlsx](#) in Excel.
2. Create a copy of the vgsales tab, rename it “Sheet 2” and sort the data by publisher.
  - Which publisher is alphabetically first?
  - Last?
3. Create another copy of the vgsales tab, rename it “Sheet 3,” and sort the data so the most recent games appear at the top.
  - What’s the newest game for which you have data?
4. Create another copy of the vgsales tab, rename it “Sheet 4,” and filter the data set to look at only shooter games that are ranked in the top 100.
  - How many rows are there?
5. Create another copy of the vgsales tab, rename it “Sheet 5,” and filter the data set to only look at games published by Nintendo.
  - How many records are there?
  - Filter by games made in 1990 then sort alphabetically by game name. Which game is alphabetically first?
  - Filter by games made in 1999 then sort alphabetically by game name. Which game is alphabetically first?
6. Now, summarize some of the data. Build a pivot table from your data and put it in a new sheet (“Sheet 6”).
  - What are the total global sales for the Nintendo 64 (N64) platform?
  - What are the average per-game North American (NA\_Sales) sales across all platforms?
7. Create a column chart of total global sales by publisher and put it in a new sheet (“Sheet 7”).
  - Which publisher has the highest total global sales?
8. Create a pivot table of average North American sales by year, then plot these values on a line chart and put it in a new sheet (“Sheet 8”).
  - Do you notice any interesting trends over time? For now, ignore any missing or N/A entries.