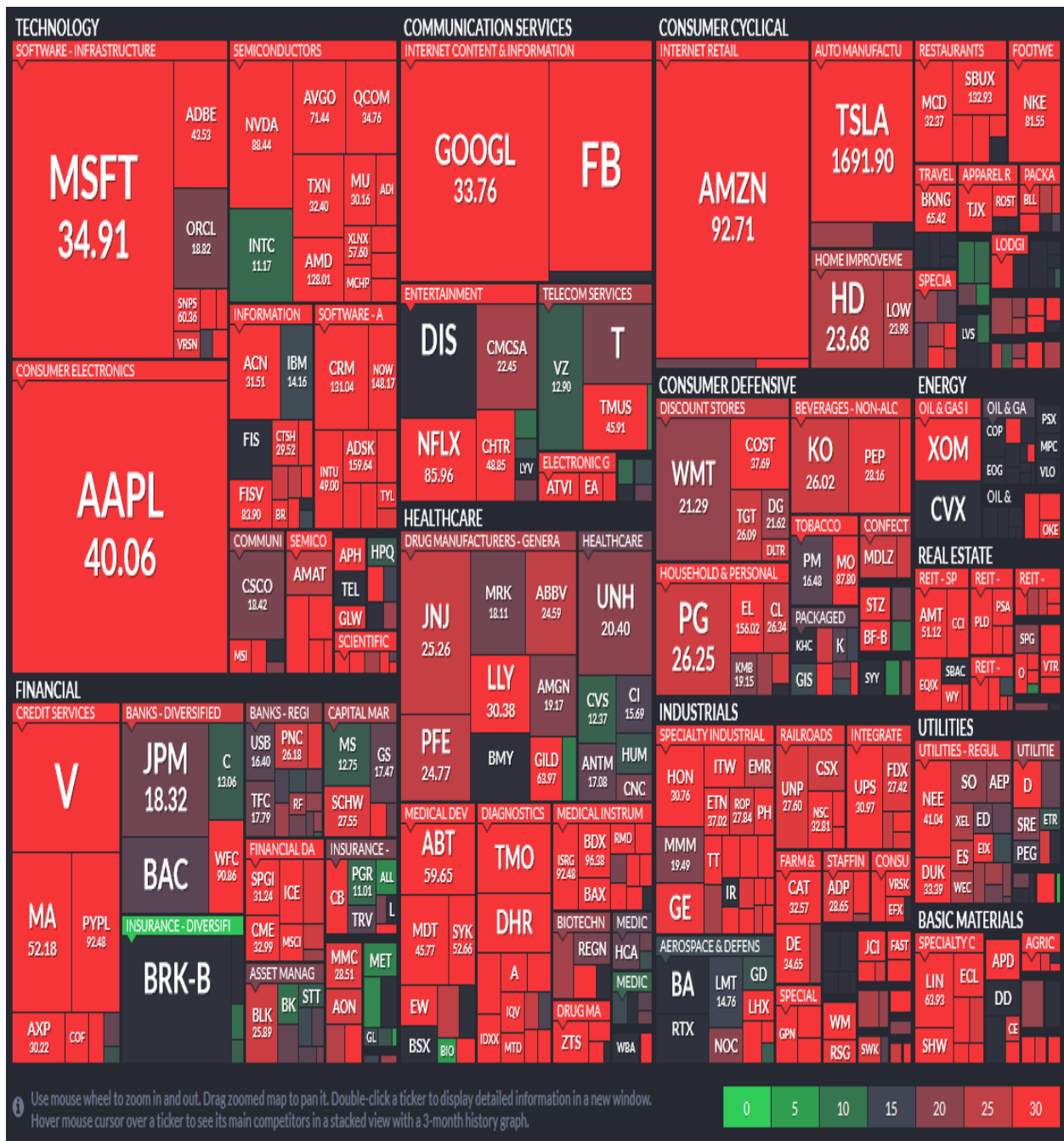


Real-Time Commentary Heat Maps

We talk a lot about valuations and their importance, but such discussions can be hard to put into context. Therefore, I have produced a series of charts that visualize various valuations of the S&P 500 companies. Not surprisingly, such also corresponds to the current behavior of Wall Street analysts and investors. Instead of cluttering up the commentary space on [RIAPro.Net](#), we thought you would better appreciate the charts and share them more easily in an article format. The charts below are called heat maps. What we like about heat maps is their ability to show two data points in one easy to read format. The following maps show the S&P 500 components market cap and along with a second factor. The larger the company's market cap is in relation to other companies in the sector, the larger the square. Each graph has a scale on the bottom right relating to the second factor. In the first graph (*Price to Earnings*), the brighter the red, the more overvalued a company is. Conversely, green is relatively cheaper. The companies are sorted by their respective sector and sub-sectors. The first three graphs are popular measures of valuation. The fourth graph shows that analyst recommendations, despite what valuations tell us, are pretty bullish. As shown in the fifth graph, investors are also overly bullish as there is a very low percentage of short positions in general. Lastly, the sixth graph shows this is not just domestic, but high valuations are occurring in many other countries.

1. Price to Earnings:

You have to look pretty hard to find stocks that are not very overvalued.



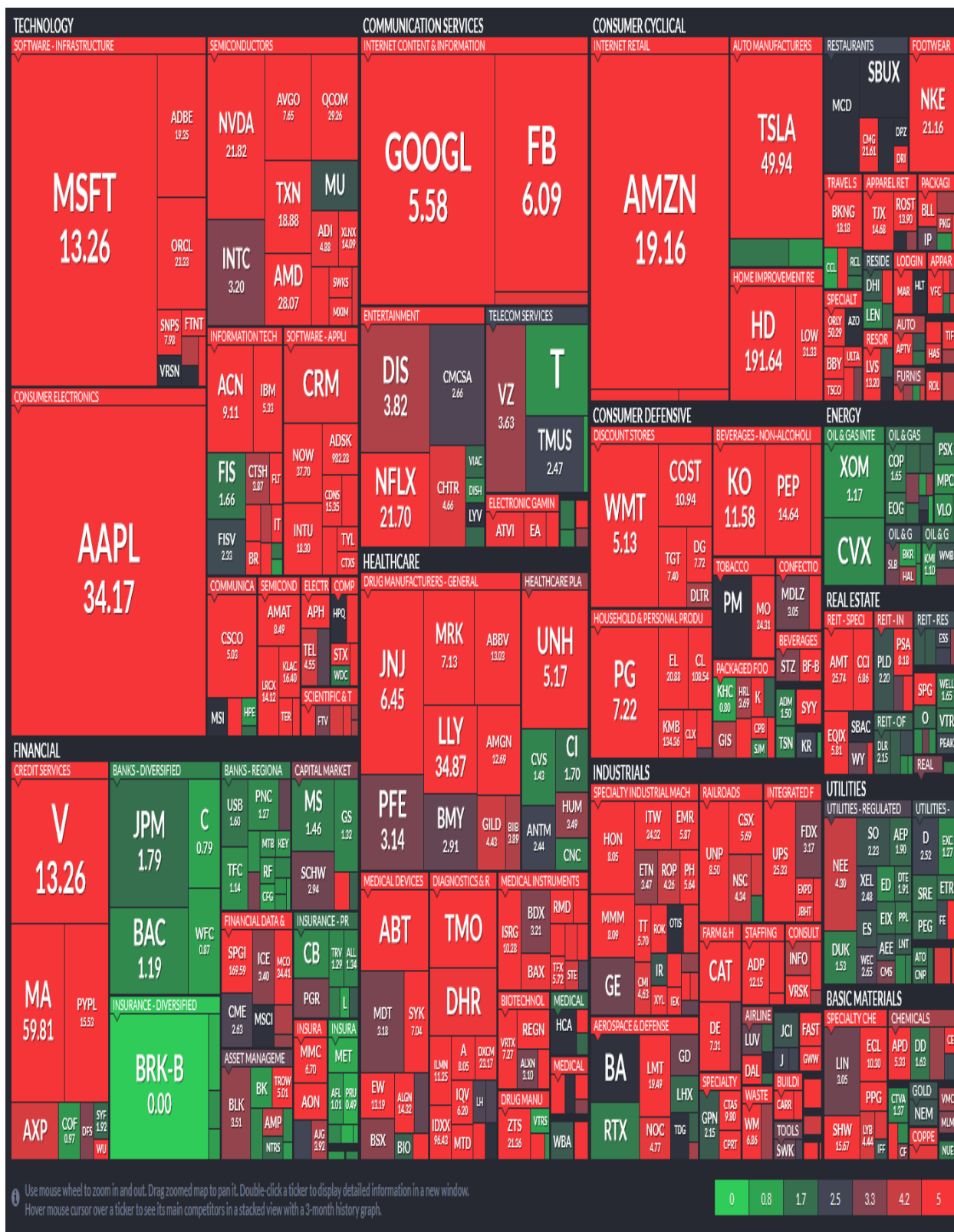
2. Price to Sales:

A ratio between 2-3 is considered somewhat normal, especially for well established mature companies.



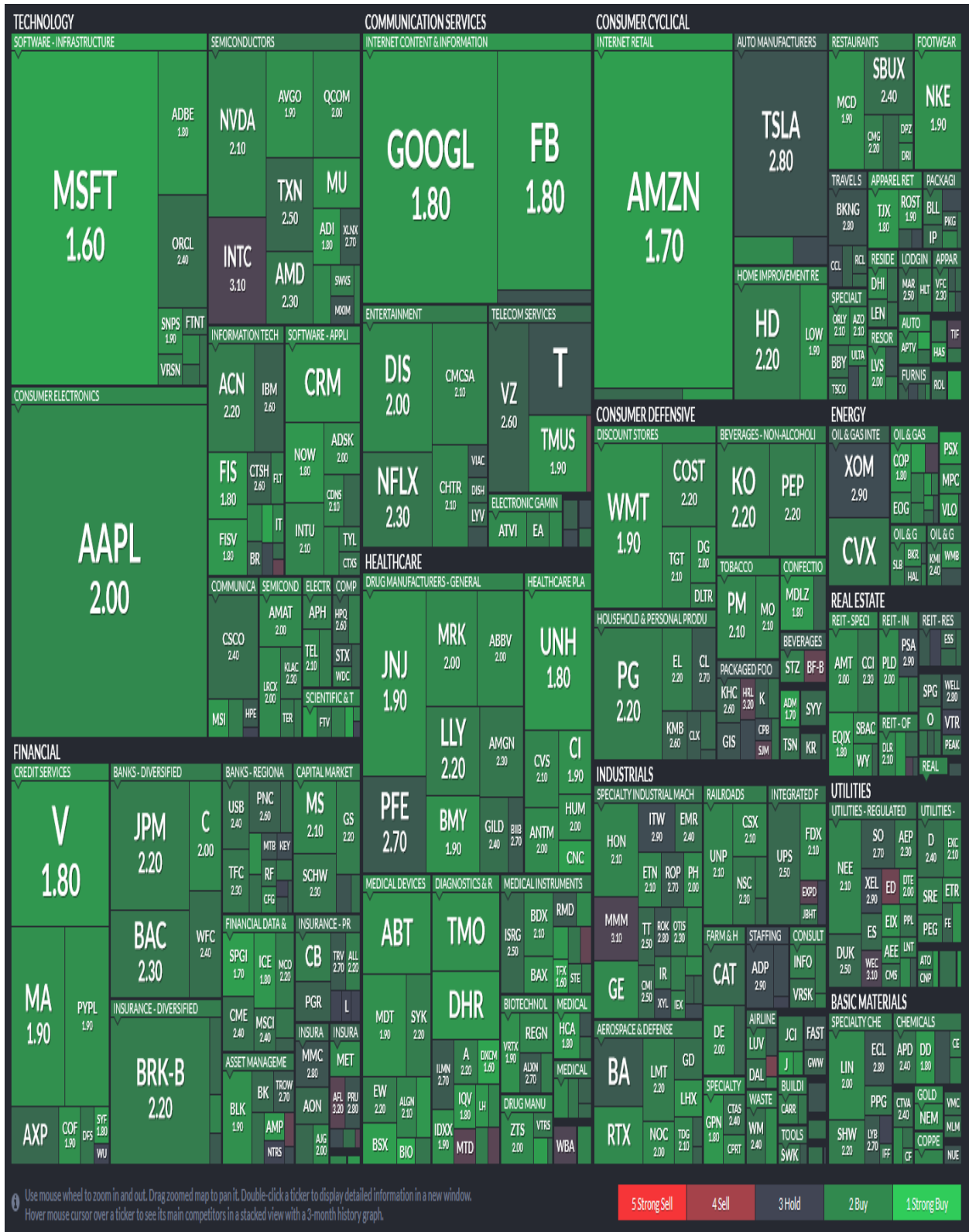
3. Price to Book:

P/B is also typically in the lower single digits for mature companies.



4. Analyst Recommendations

You have to look pretty closely to find stocks that do not have buy recommendations.



5. Short Interest as a % of total float:

The continual grind higher has scared away almost all short sellers.

