

VALUATION SUMMARY

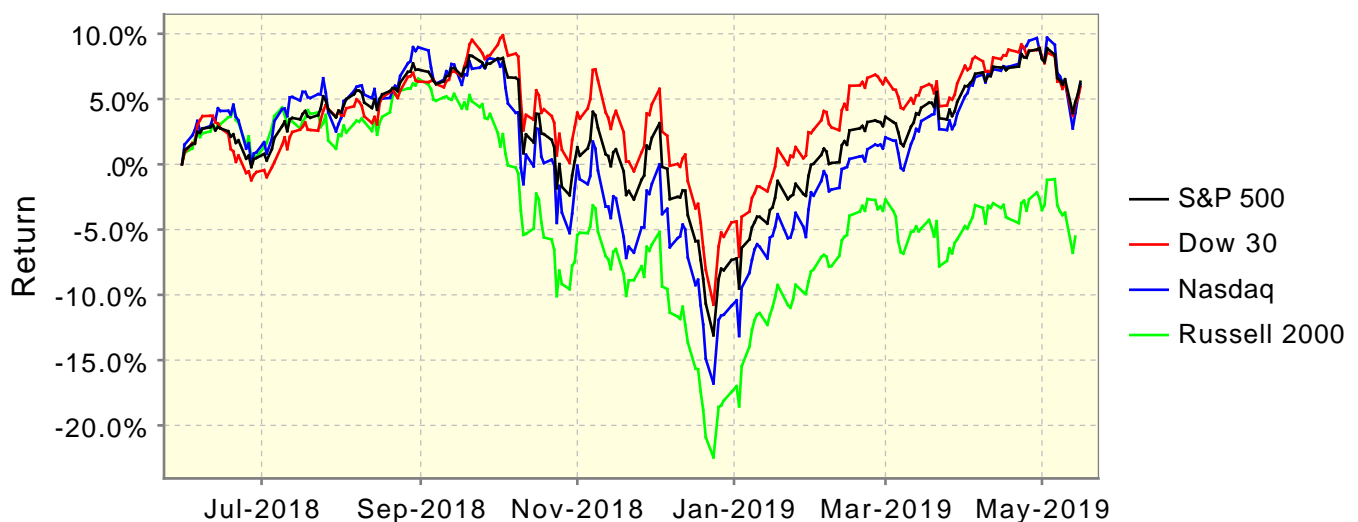
Stocks Undervalued	60.56%	Stocks Overvalued	39.44%
Stocks Undervalued by 20%	27.33%	Stocks Overvalued by 20%	14.19%

ValuEngine currently finds the markets attractive with the majority of stocks covered undervalued according to the research.

INDEX OVERVIEW

Index	Date	Last Close	MTD	QTD	YTD
S&P 500	5/16/2019	2,876.32	-2.36%	3.30%	14.74%
Dow 30	5/16/2019	25,862.68	-2.75%	-0.21%	10.87%
Nasdaq	5/16/2019	7,898.05	-2.44%	4.85%	19.03%
Russell 2000	5/16/2019	1,543.06	-3.03%	-2.06%	14.42%

PERFORMANCE HISTORY



SECTOR AVERAGE COMPARISON

Sector Name	Valuation	Momentum	P/E Ratio	Sharpe Ratio
Oils-Energy	22.36% undervalued	-23.15%	18.94	-0.4255
Basic Materials	12.75% undervalued	-18.51%	21.23	-0.1624
Construction	8.22% undervalued	-10.26%	19.63	0.0695
Consumer Discretionary	5.34% undervalued	-5.01%	23.35	0.0452
Transportation	4.95% undervalued	-8.62%	17.50	-0.1112
Retail-Wholesale	4.03% undervalued	-5.86%	21.96	-0.0264
Medical	3.74% undervalued	-1.49%	30.36	-0.1227
Finance	3.71% undervalued	-3.73%	16.41	0.2069
Auto-Tires-Trucks	1.24% undervalued	-19.75%	12.76	-0.0536
Aerospace	0.43% undervalued	8.98%	23.50	0.1985
Industrial Products	0.27% undervalued	-1.07%	20.69	0.0744
Multi-Sector Conglomerates	0.17% overvalued	-6.14%	18.33	0.0073
Consumer Staples	2.22% overvalued	5.93%	23.86	0.1579
Business Services	3.71% overvalued	-2.91%	23.94	0.0674
Utilities	4.65% overvalued	7.53%	22.68	0.1420
Computer and Technology	8.76% overvalued	5.63%	31.98	0.1376

TOP INDUSTRIES

Industry Name	Valuation	Momentum	P/E Ratio	Sharpe Ratio	Market Cap (bil)
Other Alt Energy	16.55%	4.98%	31.30	0.1815	1.5182
Internet Software/Svcs	27.48%	12.29%	41.02	0.1063	4.4019
Business Software Svcs/Bpo	14.29%	22.47%	29.84	0.3218	9.1233
Computer-Storage Devices	-9.45%	-8.24%	16.75	-0.2050	4.2515
Gaming	1.38%	-18.19%	23.19	0.1329	4.6762
Transportation-Ship	-7.17%	-18.61%	22.41	-0.5123	0.9716
Medical/Dental-Supplies	-10.12%	4.47%	29.82	0.1918	7.7420
Medical-Nursing Homes	-14.72%	-6.44%	30.24	-0.4425	0.6788
Food-Meat Products	33.58%	32.23%	21.47	0.3322	10.9174
Bldg-Cement/Concr/Ag	-1.22%	-12.82%	28.20	0.0745	5.3149

STOCK OF THE WEEK - ZNGA

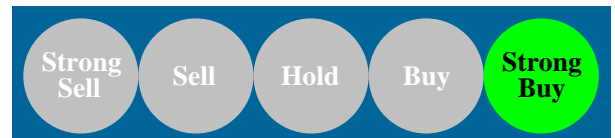
Comapny Name: Zynga Inc

Sector: Consumer Discretionary

Industry: Gaming

ValuEngine Recommendation

ValuEngine recommendation covers more than 5000 companies. The recommendations are based on the proprietary ValuEngine one-year forecast return model output for each individual equity. ValuEngine's Five-Engine rating stocks have an averaged annual return of 13.37% since 2002.



Data Summary

Trade Date: May 16, 2019	Last Close: \$6.23	Avg Volume: 15833704
1-Yr Forecast: 13.53%	Valuation: 38.41%	1-Yr Momentum: 53.45%
Forward P/E: 37.38	PEG Ratio: 0.22	Market Cap (bil): \$5.64
EPS Growth: 238.89%	Beta: 0.39	5-Yr Avg Return: 6.69%
Volatility: 32.10%	Sharpe Ratio: 0.21	P/S Ratio: 5.85
M/B Ratio: 3.24	Alpha: 0.45	52-Wk High: \$6.31

Forecast Analysis

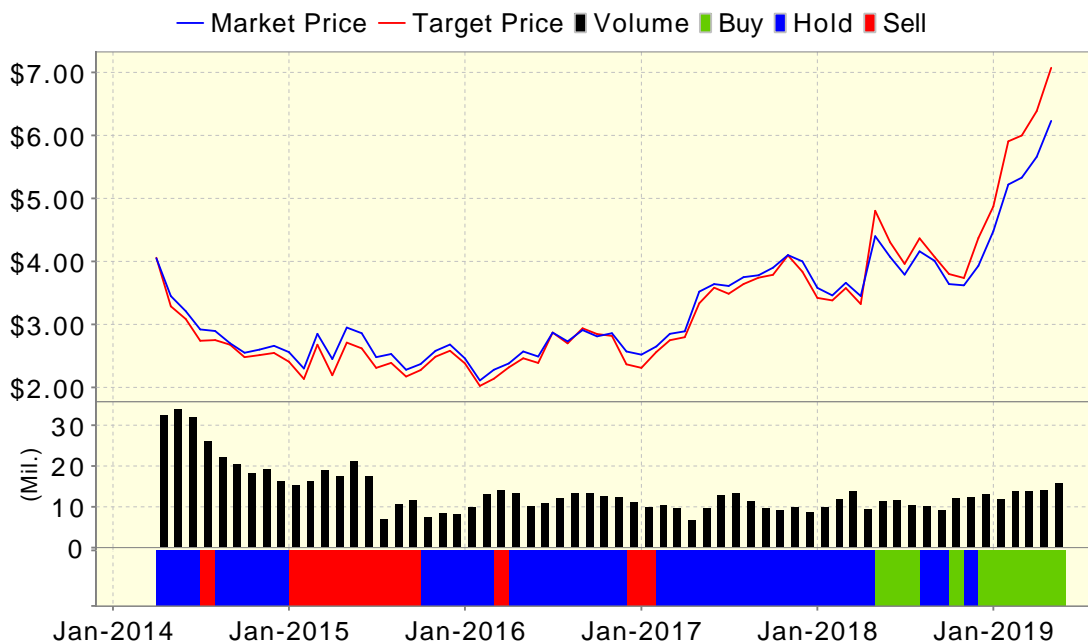
The predictive variables used in Valuengine's forecast model include both proprietary and well-established variables derived from credible financial studies and publications. We use a distinct forecasting model for each time horizon and apply the most advanced statistical/econometric techniques to ensure that our stock return forecasts are as reliable as possible.

[Click for more information on ValuEngine's models.](#)

	Target Price	Exp. Return
1-Month	\$6.30	1.13%
3-Month	\$6.36	2.08%
6-Month	\$6.56	5.25%
1-Year	\$7.07	13.53%
2-Year	\$6.82	9.50%
3-Year	\$6.89	10.53%

STOCK OF THE WEEK - ZNGA

Price And Recommendation History



ValuEngine Evaluation & Rankings

	Value	Ranking
1-Yr Forecast	13.53%	99
Valuation	38.41%	8
1-Yr Momentum	53.45%	96
P/E Ratio		27
Market Cap(bil)	5.6435	83
EPS Growth	238.89%	95
5-Yr Avg Return	6.69%	73
Volatility	32.10%	49
Sharpe Ratio	0.2085	70
P/S Ratio	5.85	18
M/B Ratio	3.24	36
Surprise	75.00%	93

Just as important as the percentages shown for our predictive variables for each stock is the way they are ranked against @7000 stocks in our database. This is sometimes confusing to newcomers to ValuEngine. Each of these quantitative measurements is ranked on a scale of 1 to 100. Generally the higher the ranking, the more positive the influence each measurement has on the overall attractiveness of the stock. In other words a high rank is always better. For example:

- * Forecast rank 99: 1% of stocks have higher forecast returns.
- * Valuation rank 8: 92% of stocks are more undervalued.
- * Momentum rank 96: 4% of stocks have higher momentum.
- * P/E rank 27: 73% of stocks have lower P/E ratios.
- * Size rank 83: 17% of stocks have higher market capitalization.
- * Volatility rank 49: 51% of stocks have less volatility.

Business Summary

Zynga Inc. is the world's largest social game developer with users playing their games which include CityVille, FarmVille, FrontierVille, Words With Friends, Mafia Wars, Zynga Poker, Cafe World, and Treasure Isle. Zynga Inc. games are available on a number of global platforms including Facebook, MySpace, Yahoo, the iPad, the iPhone and Android devices. They operate their games as live services, by which they mean that they continue to support and update games after launch and gather daily, metrics-based player feedback that enable them to continually enhance their games by adding new content and features. All of their games are free to play, and they generate revenue through the in-game sale of virtual goods and advertising.

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VALUENGINE'S METHODOLOGY

ValuEngine's research combines the most advanced academic concepts with real world Wall Street practice. The result is state-of-the-art fair market valuation and price forecasting technologies.

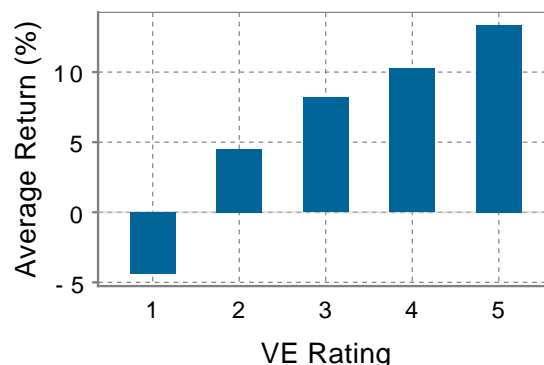
ValuEngine's stock valuation employs a sophisticated, three-factor approach. Fundamental variables, such as a company's trailing 12-month Earnings-Per-Share (EPS), the analyst consensus estimate of the company's future 12-month EPS, and the 30-year Treasury yield, are all used to create a more accurate reflection of a company's fair value. Together with eleven additional variables, ValuEngine paints a detailed picture of a company's fair value, represented by the model price.

ValuEngine's stock forecasts capture several important tendencies that stock prices consistently exhibit over six time horizons to ensure forecasts are established relative to a stock's proper peer groups. Advanced statistical/econometric techniques are used to run thousands of simulations estimating the probability of a double in stock price, as well as the probability of meeting and exceeding any given portfolio or stock investment target.

VE Engine Rating is an assessment of a stock's overall attractiveness. It is based on the one year forecast target price, which is the final evolution of VE's equity modeling. On average, only 2 percent of ValuEngine's 5,500 stocks under coverage achieve a 5 rating. 5 and 4 rated stocks are expected to outperform the overall markets, 3 rated to roughly match market performance, and 2 and 1 rated are expected to underperform.

For additional information about ValuEngine's financial research and financial modeling, please click www.valuengine.com

VE Rating and Average Annual Return
(Jan 2002 - Apr 2019)



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STOCK RATINGS: The terms below are used to rate a stock's 12-month performance:

1. Buy: Expected to outperform the SP500 producing above average returns.
2. Hold: Expected to perform in line with the SP500 with average returns.
3. Sell: Expected to underperform the SP500 producing below-average returns.

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