

## Works Cited

### Chapter 3: Why should I trade stocks?

- <sup>1</sup> “How Do I Know My Credit Union Is Federally Insured?” *National Credit Union Administration*, United States Congress, [www.ncua.gov/files/press-releases-news/NCUAHowYourAcctInsured.pdf](http://www.ncua.gov/files/press-releases-news/NCUAHowYourAcctInsured.pdf).
- <sup>2</sup> Bell, Claes. “Survey: CD Early Withdrawal Penalties Are Steep.” *Bankrate*, Bankrate, LLC, 7 Dec. 2015, [www.bankrate.com/banking/cds/survey-cd-early-withdrawal-can-come-at-a-high-price](http://www.bankrate.com/banking/cds/survey-cd-early-withdrawal-can-come-at-a-high-price).
- <sup>3</sup> “How Are CD Interest Rates Determined?” *Discover Bank - Banking Topics Blog*, Discover Financial Services, Inc., [www.discover.com/online-banking/banking-topics/how-are-cd-interest-rates-determined/](http://www.discover.com/online-banking/banking-topics/how-are-cd-interest-rates-determined/).
- <sup>4</sup> Mazzucco, Denise. “Historical CD Interest Rates - 1984-2016.” *Bankrate*, Bankrate, LLC, 19 Apr. 2016, [www.bankrate.com/banking/cds/historical-cd-interest-rates-1984-2016](http://www.bankrate.com/banking/cds/historical-cd-interest-rates-1984-2016).
- <sup>5</sup> “High Yield Online CD Savings Accounts.” *Capital One*, Capital One, N.A., Capital One Bank (USA), N.A, Capital One Investing, LLC, Capital One Advisors, LLC, Capital One Agency, LLC, and Capital One Financial Corporation, [www.capitalone.com/bank/cds/online-cds](http://www.capitalone.com/bank/cds/online-cds).
- <sup>6</sup> Amadeo, Kimberly. “US Inflation Rate by Year from 1929 to 2020.” *How Bad Is Inflation? Past, Present, Future*, The Balance, 19 Dec. 2018, [www.thebalance.com/u-s-inflation-rate-history-by-year-and-forecast-3306093](http://www.thebalance.com/u-s-inflation-rate-history-by-year-and-forecast-3306093).
- <sup>7</sup> Volcker, Paul Adolph Jr. “What’s Wrong With the 2 Percent Inflation Target.” *Bloomberg Opinion*, Bloomberg L.P., 24 Oct. 2018, 9:00 AM EDT, [www.bloomberg.com/opinion/articles/2018-10-24/what-s-wrong-with-the-2-percent-inflation-target](http://www.bloomberg.com/opinion/articles/2018-10-24/what-s-wrong-with-the-2-percent-inflation-target).
- <sup>8</sup> Moon, Chris. “Average Savings Account Interest Rates for 2018: Compared Across Banks.” *ValuePenguin*, ValuePenguin Inc., [www.valuepenguin.com/average-savings-account-interest-rates](http://www.valuepenguin.com/average-savings-account-interest-rates).
- <sup>9</sup> “Corporate Bond Yield Curve Papers and Data.” *U.S. Department of the Treasury*, United States Government, 10 Oct. 2018, 11:13 AM, [www.treasury.gov/resource-center/economic-policy/corp-bond-yield/Pages/Corp-Yield-Bond-Curve-Papers.aspx](http://www.treasury.gov/resource-center/economic-policy/corp-bond-yield/Pages/Corp-Yield-Bond-Curve-Papers.aspx).
- <sup>10</sup> “How Do Bonds Work?” *BBC News*, The British Broadcasting Corporation, 4 May 2010, [www.bbc.com/news/10093437](http://www.bbc.com/news/10093437).
- <sup>11</sup> “Convertible Bond.” *Investing Answers*, InvestingAnswers, Inc., [investinganswers.com/financial-dictionary/bonds/convertible-bond-1106](http://investinganswers.com/financial-dictionary/bonds/convertible-bond-1106).
- <sup>12</sup> “Treasury Bonds.” *TreasuryDirect*, United States Department of the Treasury, 27 Sept. 2013, [www.treasurydirect.gov/indiv/products/prod\\_tbonds\\_glance.htm](http://www.treasurydirect.gov/indiv/products/prod_tbonds_glance.htm).
- <sup>13</sup> Lioudis, Nick K. “Treasury Bond vs Treasury Note vs Treasury Bill.” *Investopedia Questions and Answers*, Investopedia, LLC, 21 Mar. 2018, [www.investopedia.com/ask/answers/033115/what-are-differences-between-treasury-bond-and-treasury-note-and-treasury-bill-tbill.asp](http://www.investopedia.com/ask/answers/033115/what-are-differences-between-treasury-bond-and-treasury-note-and-treasury-bill-tbill.asp).
- <sup>14</sup> “CDFI Bond Guarantee Program.” *Community Development Financial Institutions Fund*, United States Department of the Treasury, [www.cdfifund.gov/programs-training/Programs/cdfi-bond/Pages/default.aspx](http://www.cdfifund.gov/programs-training/Programs/cdfi-bond/Pages/default.aspx).
- <sup>15</sup> Riddix, Mark. “Treasury Bonds vs Corporate Bonds.” *Moolanomy Personal Finance*, Sukorn Group Inc., [www.moolanomy.com/4215/investing-in-bonds-a-look-at-treasury-and-corporate-bonds-mriddix2](http://www.moolanomy.com/4215/investing-in-bonds-a-look-at-treasury-and-corporate-bonds-mriddix2).
- <sup>16</sup> “How Government Bonds Are Taxed.” *Vanguard Investor Education*, The Vanguard Group, Inc., [investor.vanguard.com/investing/taxes/government-bonds](http://investor.vanguard.com/investing/taxes/government-bonds).
- <sup>17</sup> Morah, Chizoba. “Why Are Most Bonds Traded on the Secondary Market ‘over the Counter’?” *Investopedia Questions and Answers*, Investopedia, LLC, 2 Apr. 2018, [www.investopedia.com/ask/answers/09/bond-over-the-counter.asp](http://www.investopedia.com/ask/answers/09/bond-over-the-counter.asp).
- <sup>18</sup> Khan, Salman. “Treasury Bond Prices and Yields.” Khan Academy, [www.khanacademy.org/economics-finance-domain/core-finance/stock-and-bonds/bonds-tutorial/v/treasury-bond-prices-and-yields](http://www.khanacademy.org/economics-finance-domain/core-finance/stock-and-bonds/bonds-tutorial/v/treasury-bond-prices-and-yields).
- <sup>19</sup> “Treasury Notes.” *TreasuryDirect*, United States Department of the Treasury, 6 Mar. 2015, [www.treasurydirect.gov/instit/marketable/tnotes/tnotes.htm](http://www.treasurydirect.gov/instit/marketable/tnotes/tnotes.htm).
- <sup>20</sup> “Treasury Bill (T-Bill) Index: Frequently Asked Questions.” *Mortgage-X Mortgage Information Service*, Mortgage-X.com, [mortgage-x.com/general/indexes/t-bill\\_index\\_faq.asp](http://mortgage-x.com/general/indexes/t-bill_index_faq.asp).
- <sup>21</sup> “Treasury Inflation-Protected Securities (TIPS).” *TreasuryDirect*, United States Department of the Treasury, 27 Sept. 2013, [www.treasurydirect.gov/indiv/products/prod\\_tips\\_glance.htm](http://www.treasurydirect.gov/indiv/products/prod_tips_glance.htm).
- <sup>22</sup> Chen, James. “Treasury Inflation Protected Securities - TIPS.” *Investopedia Terms*, Investopedia, LLC, 1 Feb. 2018, [www.investopedia.com/terms/t/tips.asp](http://www.investopedia.com/terms/t/tips.asp).

- <sup>23</sup> “TIPS/CPI Data.” *TreasuryDirect*, United States Department of the Treasury, 20 July 2018, [www.treasurydirect.gov/instit/annceresult/tipsdpi/tipsdpi.htm](http://www.treasurydirect.gov/instit/annceresult/tipsdpi/tipsdpi.htm).
- <sup>24</sup> “Consumer Price Index for All Urban Consumers (CPI-U).” *CPI-U.info*, Rossomeo, LLC, [www.cpi-u.info/What-Is-CPI-U.aspx](http://www.cpi-u.info/What-Is-CPI-U.aspx).
- <sup>25</sup> “TIPS: Tax Considerations.” *TreasuryDirect*, United States Department of the Treasury, 13 Feb. 2018, [www.treasurydirect.gov/indiv/research/indepth/tips/res\\_tips\\_tax.htm](http://www.treasurydirect.gov/indiv/research/indepth/tips/res_tips_tax.htm).
- <sup>26</sup> Tucker, Matt, CFA®. “Comparing Treasury Inflation-Protected Securities and Treasuries.” *Yahoo! News*, Yahoo! Finance, 19 May 2015, [finance.yahoo.com/news/comparing-treasury-inflation-protected-securities-180308902.html](http://finance.yahoo.com/news/comparing-treasury-inflation-protected-securities-180308902.html).
- <sup>27</sup> “Comparison of TIPS and Series I Savings Bonds.” *TreasuryDirect*, United States Department of the Treasury, 11 Oct. 2012, [www.treasurydirect.gov/indiv/products/prod\\_tipsvsibonds.htm](http://www.treasurydirect.gov/indiv/products/prod_tipsvsibonds.htm).
- <sup>28</sup> “Table 1. Consumer Price Index for All Urban Consumers (CPI-U): U. S. City Average, by Expenditure Category.” *Bureau of Labor Statistics*, United States Department of Labor, 12 Dec. 2018, [www.bls.gov/news.release/cpi.t01.htm](http://www.bls.gov/news.release/cpi.t01.htm).
- <sup>29</sup> Chen, James. “Series I Bond.” *Investopedia Terms*, Investopedia, LLC, 8 Feb. 2018, [www.investopedia.com/terms/s/seriesibond.asp](http://www.investopedia.com/terms/s/seriesibond.asp).
- <sup>30</sup> “Series I Savings Bonds FAQs.” *TreasuryDirect*, United States Department of the Treasury, 13 Dec. 2018, [www.treasurydirect.gov/indiv/research/indepth/ibonds/res\\_ibonds\\_ifaq.htm#lose](http://www.treasurydirect.gov/indiv/research/indepth/ibonds/res_ibonds_ifaq.htm#lose).
- <sup>31</sup> Lioudis, Nick K. “Knowing the Difference Between EE and I Bonds.” *Investopedia Questions and Answers*, Investopedia, LLC, 23 Mar. 2018, [www.investopedia.com/ask/answers/111414/what-difference-between-ee-and-i-bonds.asp](http://www.investopedia.com/ask/answers/111414/what-difference-between-ee-and-i-bonds.asp).
- <sup>32</sup> “I Bonds vs TIPS.” *Bogleheads Investing Advice and Info*, Bogleheads.org, 28 Oct. 2016, 2:02 AM, [www.bogleheads.org/wiki/I\\_Bonds\\_vs\\_TIPS](http://www.bogleheads.org/wiki/I_Bonds_vs_TIPS).
- <sup>33</sup> “Series I Savings Bonds Rates & Terms: Calculating Interest Rates.” *TreasuryDirect*, United States Department of the Treasury, 1 Nov. 2018, [www.treasurydirect.gov/indiv/research/indepth/ibonds/res\\_ibonds\\_iratesandterms.htm#past](http://www.treasurydirect.gov/indiv/research/indepth/ibonds/res_ibonds_iratesandterms.htm#past).
- <sup>34</sup> “May 2005 and Later (EE Bond Rates and Terms).” *TreasuryDirect*, United States Department of the Treasury, 1 Nov. 2018, [www.treasurydirect.gov/indiv/research/indepth/ebonds/res\\_e\\_bonds\\_eeratesandterms\\_eebondsissued052005andafer.htm](http://www.treasurydirect.gov/indiv/research/indepth/ebonds/res_e_bonds_eeratesandterms_eebondsissued052005andafer.htm).
- <sup>35</sup> “Annual Rate of Return Calculator.” *Andrews FCU Calculator*, Andrews Federal Credit Union, [www.andrewsfcu.org/calculators/AnnualReturn.html](http://www.andrewsfcu.org/calculators/AnnualReturn.html).
- <sup>36</sup> “Series EE Savings Bonds.” *TreasuryDirect*, United States Department of the Treasury, 10 Dec. 2018, [www.treasurydirect.gov/indiv/products/prod\\_eebonds\\_glance.htm](http://www.treasurydirect.gov/indiv/products/prod_eebonds_glance.htm).
- <sup>37</sup> Berger, Rob. “8 Fun Facts About EE Bonds (Including How To Avoid Paying Taxes On The Interest).” *Forbes Magazine*, Forbes Media LLC, 3 Apr. 2017, 9:01 AM, [www.forbes.com/sites/robertberger/2017/04/03/8-fun-facts-about-ee-bonds-including-how-to-avoid-paying-taxes-on-the-interest](http://www.forbes.com/sites/robertberger/2017/04/03/8-fun-facts-about-ee-bonds-including-how-to-avoid-paying-taxes-on-the-interest).
- <sup>38</sup> Chen, James. “Money Market Account.” *Investopedia Terms*, Investopedia, LLC, 29 Aug. 2018, [www.investopedia.com/terms/m/moneymarketaccount.asp](http://www.investopedia.com/terms/m/moneymarketaccount.asp).
- <sup>39</sup> “Are Money Market Accounts FDIC Insured?” *Ally*, Ally Financial Inc., 1 Sept. 2015, [www.ally.com/do-it-right/banking/are-money-market-accounts-fdic-insured](http://www.ally.com/do-it-right/banking/are-money-market-accounts-fdic-insured).
- <sup>40</sup> “What Are Money Market Investments?” AXA, AXA Equitable Financial Services, LLC, AXA Equitable Life Insurance Company, MONY Life Insurance Company of America, AXA Advisors, LLC, AXA Distributors, LLC, AXA S.A., and AXA Equitable Financial Services, LLC, [us.ixa.com/goals/saving-and-investing/basics/what-are-money-markets.html](http://us.ixa.com/goals/saving-and-investing/basics/what-are-money-markets.html).
- <sup>41</sup> “Money Market Account & Rates.” *Capital One*, Capital One, N.A., Capital One Bank (USA), N.A, Capital One Investing, LLC, Capital One Advisors, LLC, Capital One Agency, LLC, and Capital One Financial Corporation, [www.capitalone.com/bank/savings-accounts/online-money-market-account](http://www.capitalone.com/bank/savings-accounts/online-money-market-account).
- <sup>42</sup> “Can I Close a Money Market Without a Penalty?” *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/knowledge-center/can-i-close-a-money-market-without-a-penalty-for-w.aspx](http://www.fool.com/knowledge-center/can-i-close-a-money-market-without-a-penalty-for-w.aspx).
- <sup>43</sup> “Why Hold Money Market Mutual Funds?” *AnnuityAdvantage*, Kenneth Nuss, 1 Feb. 2018, [www.annuityadvantage.com/newsletters/why-hold-money-market-mutual-funds](http://www.annuityadvantage.com/newsletters/why-hold-money-market-mutual-funds).
- <sup>44</sup> Kenton, Will. “Secondary Market.” *Investopedia Terms*, Investopedia, LLC, 24 June 2018, [www.investopedia.com/terms/s/secondarymarket.asp](http://www.investopedia.com/terms/s/secondarymarket.asp).
- <sup>45</sup> “S&P 500.” *S&P Dow Jones Indices*, S&P Dow Jones Indices LLC, [us.spindices.com/indices/equity/sp-500](http://us.spindices.com/indices/equity/sp-500).
- <sup>46</sup> Santoli, Michael. “The S&P 500 Has Already Met Its Average Return for a Full Year, but Don't Expect It to Stay Here.” *CNBC*, CNBC LLC, a Division of NBCUniversal, 19 June 2017, 9:19 AM ET, [www.cnbc.com/2017/06/18/the-sp-500-has-already-met-its-average-return-for-a-full-year.html](http://www.cnbc.com/2017/06/18/the-sp-500-has-already-met-its-average-return-for-a-full-year.html).
- <sup>47</sup> “^GSPC.” *Summary for S&P 500*, Yahoo! Finance, [finance.yahoo.com/quote/^GSPC](http://finance.yahoo.com/quote/^GSPC).
- <sup>48</sup> Hamm, Trent. “Average Stock Market Return: Where Does 7% Come From?” *The Simple Dollar*, TheSimpleDollar.com, 27 Mar. 2016, [www.thesimpledollar.com/where-does-7-come-from-when-it-comes-to-long-term-stock-returns](http://www.thesimpledollar.com/where-does-7-come-from-when-it-comes-to-long-term-stock-returns).
- <sup>49</sup> “Benefits By Year Of Birth.” *SSA.gov*, United States Social Security Administration, [www.ssa.gov/planners/retire/agereduction.html](http://www.ssa.gov/planners/retire/agereduction.html).
- <sup>50</sup> “What are Corporate Bonds?” *SEC Office of Investor Education and Advocacy: Investor Bulletins*, U.S. Securities and Exchange Commission, [www.sec.gov/files/ib\\_corporatebonds.pdf](http://www.sec.gov/files/ib_corporatebonds.pdf).

## Chapter 4: Fundamentals

<sup>1</sup> “Basic Investment (Growth and Contributions).” *Moneychimp*, Moneychimp.com, [www.moneychimp.com/articles/finworks/fmbasinv.htm](http://www.moneychimp.com/articles/finworks/fmbasinv.htm). I frequently use Moneychimp’s online website and highly recommend their compound interest calculator available at [www.moneychimp.com/calculator/compound\\_interest\\_calculator.htm](http://www.moneychimp.com/calculator/compound_interest_calculator.htm).

<sup>2</sup> “Compound Interest Calculator.” *Moneychimp*, Moneychimp.com, [www.moneychimp.com/calculator/compound\\_interest\\_calculator.htm](http://www.moneychimp.com/calculator/compound_interest_calculator.htm).

## Chapter 5: Following the Rules to Wealth

<sup>1</sup> Kenton, Will. “Securities Exchange Act Of 1934.” *Investopedia Terms*, Investopedia, LLC, 28 July 2018, [www.investopedia.com/terms/s/seact1934.asp](http://www.investopedia.com/terms/s/seact1934.asp).

<sup>2</sup> “Avoiding Cash Account Trading Violations.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/trading-investing/trading/avoiding-cash-trading-violations](http://www.fidelity.com/learning-center/trading-investing/trading/avoiding-cash-trading-violations).

<sup>3</sup> Staff, Investopedia. “What Do T+1, T+2 and T+3 Mean?” *Investopedia Questions and Answers*, Investopedia, LLC, 22 Dec. 2017, [www.investopedia.com/ask/answers/what-do-t1-t2-and-t3-mean](http://www.investopedia.com/ask/answers/what-do-t1-t2-and-t3-mean).

<sup>4</sup> Chandler, Pete. “T+2 Is Here.” *FINRA.org*, Financial Industry Regulatory Authority, Inc., 7 Sept. 2017, [www.finra.org/investors/highlights/t-plus-two-is-here](http://www.finra.org/investors/highlights/t-plus-two-is-here).

<sup>5</sup> Payne, Joanna. “Stock Settlement: Why You Need to Understand the T 2 Timeline.” *Charles Schwab*, The Charles Schwab Corporation, [www.schwab.com/active-trader/insights/content/stock-settlement-why-you-need-to-understand-the-timeline](http://www.schwab.com/active-trader/insights/content/stock-settlement-why-you-need-to-understand-the-timeline).

<sup>6</sup> “Understanding the Pattern Day Trader Rule.” *Speedtrader*, Mint Global Markets, Inc., [speedtrader.com/understanding-the-pattern-day-trader-rule](http://speedtrader.com/understanding-the-pattern-day-trader-rule).

<sup>7</sup> “Day-Trading Margin Requirements: Know the Rules.” *FINRA.org*, Financial Industry Regulatory Authority, Inc., [www.finra.org/investors/day-trading-margin-requirements-know-rules](http://www.finra.org/investors/day-trading-margin-requirements-know-rules).

## Chapter 6: Retirement Funds & Taxes

<sup>1</sup> “What Is an IRA?” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/building-savings/learn-about-iras/what-is-an-ira](http://www.fidelity.com/building-savings/learn-about-iras/what-is-an-ira).

<sup>2</sup> “Retirement Topics - IRA Contribution Limits.” *Internal Revenue Service*, United States Department of the Treasury, 2 Nov. 2018, [www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-ira-contribution-limits](http://www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-ira-contribution-limits).

<sup>3</sup> “IRA Deduction Limits.” *Internal Revenue Service*, United States Department of the Treasury, 2 Nov. 2018, [www.irs.gov/retirement-plans/ira-deduction-limits](http://www.irs.gov/retirement-plans/ira-deduction-limits).

<sup>4</sup> “Traditional IRAs.” *South State Bank*, South State Corporation, [www.southstatebank.com/wealth-management/products-services/investment-advice/iras/traditional-iras](http://www.southstatebank.com/wealth-management/products-services/investment-advice/iras/traditional-iras).

<sup>5</sup> “Publication 590A: Contributions to Individual Retirement Arrangements (IRAs).” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p590a.pdf](http://www.irs.gov/pub/irs-pdf/p590a.pdf)

<sup>6</sup> “Roth IRAs.” *South State Bank*, South State Corporation, [www.southstatebank.com/wealth-management/products-services/investment-advice/iras/2587-2](http://www.southstatebank.com/wealth-management/products-services/investment-advice/iras/2587-2).

<sup>7</sup> “Roth IRAs.” *Internal Revenue Service*, United States Department of the Treasury, 2 Nov. 2018, [www.irs.gov/retirement-plans/roth-iras](http://www.irs.gov/retirement-plans/roth-iras).

<sup>8</sup> “Top Ten Differences Between a Roth IRA and a Designated Roth Account.” *Internal Revenue Service*, United States Department of the Treasury, 5 Nov. 2018, [www.irs.gov/retirement-plans/top-ten-differences-between-a-roth-ira-and-a-designated-roth-account](http://www.irs.gov/retirement-plans/top-ten-differences-between-a-roth-ira-and-a-designated-roth-account).

<sup>9</sup> “Retirement Topics - Catch-Up Contributions.” *Internal Revenue Service*, United States Department of the Treasury, 5 Nov. 2018, [www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-catch-up-contributions](http://www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-catch-up-contributions).

<sup>10</sup> “401(k) Plans.” *Internal Revenue Service*, United States Department of the Treasury, 27 July 2018, [www.irs.gov/retirement-plans/401k-plans](http://www.irs.gov/retirement-plans/401k-plans).

<sup>11</sup> “Retirement Topics - 401(k) and Profit-Sharing Plan Contribution Limits.” *Internal Revenue Service*, United States Department of the Treasury, 2 Nov. 2018, [www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-401k-and-profit-sharing-plan-contribution-limits](http://www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-401k-and-profit-sharing-plan-contribution-limits).

<sup>12</sup> “Low Cost 401(k) Investments.” *Employee Fiduciary*, Employee Fiduciary, LLC, [www.employeefiduciary.com/401k-investments](http://www.employeefiduciary.com/401k-investments).

<sup>13</sup> “What Is a 401(k)?” *The Wall Street Journal*, Dow Jones & Company and News Corporation, [guides.wsj.com/personal-finance/retirement/what-is-a-401k](http://guides.wsj.com/personal-finance/retirement/what-is-a-401k).

<sup>14</sup> Klaas, Kira. “10 Of the Most Common Employee 401(k) Questions, Answered.” *Gusto*, ZenPayroll, Inc., [gusto.com/framework/hr/10-of-the-most-common-employee-401k-questions](http://gusto.com/framework/hr/10-of-the-most-common-employee-401k-questions).

<sup>15</sup> “Publication 560: Retirement Plans for Small Business.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p560.pdf](http://www.irs.gov/pub/irs-pdf/p560.pdf).

<sup>16</sup> “IRC 457(b) Deferred Compensation Plans.” *Internal Revenue Service*, United States Department of the Treasury, 6 Nov. 2018, [www.irs.gov/retirement-plans/irc-457b-deferred-compensation-plans](http://www.irs.gov/retirement-plans/irc-457b-deferred-compensation-plans).

<sup>17</sup> “Publication 4484: Retirement Plan Feature Comparison Chart.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p4484.pdf](http://www.irs.gov/pub/irs-pdf/p4484.pdf).

- <sup>18</sup> Planning, Fed Retirement. “How to Become a TSP Millionaire!” *YouTube*, YouTube, LLC, 30 Mar. 2017, [www.youtube.com/watch?v=\\_bw6jDixe\\_Y](http://www.youtube.com/watch?v=_bw6jDixe_Y).
- <sup>19</sup> “Designated Roth Accounts.” *Internal Revenue Service*, United States Department of the Treasury, 3 July 2018, [www.irs.gov/retirement-plans/designated-roth-accounts](http://www.irs.gov/retirement-plans/designated-roth-accounts).
- <sup>20</sup> Treece, Dock David. “403(b) Vs 401(k): Rules, Limits, Costs & Which Is Best 2018.” *Fit Small Business*, FitSmallBusiness.com, 9 May 2018, [fitsmallbusiness.com/403b-vs-401k](http://fitsmallbusiness.com/403b-vs-401k).
- <sup>21</sup> “IRC 403(b) Tax-Sheltered Annuity Plans – Establish a 403(b) Plan.” *Internal Revenue Service*, United States Department of the Treasury, 27 Mar. 2018, [www.irs.gov/retirement-plans/irc-403b-tax-sheltered-annuity-plans-establish-a-403b-plan](http://www.irs.gov/retirement-plans/irc-403b-tax-sheltered-annuity-plans-establish-a-403b-plan).
- <sup>22</sup> “Choosing a Retirement Plan: 403(b) Tax-Sheltered Annuity Plan.” *Internal Revenue Service*, United States Department of the Treasury, 30 July 2018, [www.irs.gov/retirement-plans/choosing-a-retirement-plan-403b-tax-sheltered-annuity-plan](http://www.irs.gov/retirement-plans/choosing-a-retirement-plan-403b-tax-sheltered-annuity-plan).
- <sup>23</sup> “SEP IRA: Simplified Employee Pension Plan.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/retirement-ira/small-business/sep-ira](http://www.fidelity.com/retirement-ira/small-business/sep-ira).
- <sup>24</sup> O'Shea, Arielle. “What Is a SEP IRA?” *NerdWallet*, NerdWallet, Inc., 2 May 2017, [www.nerdwallet.com/blog/investing/what-is-a-sep-ira](http://www.nerdwallet.com/blog/investing/what-is-a-sep-ira).
- <sup>25</sup> “Choosing a Retirement Plan: SIMPLE IRA Plan.” *Internal Revenue Service*, United States Department of the Treasury, 8 Nov. 2018, [www.irs.gov/retirement-plans/choosing-a-retirement-plan-simple-ira-plan](http://www.irs.gov/retirement-plans/choosing-a-retirement-plan-simple-ira-plan).
- <sup>26</sup> “Who Can Participate in a SIMPLE IRA Plan?” *Internal Revenue Service*, United States Department of the Treasury, 3 July 2018, [www.irs.gov/retirement-plans/plan-participant-employee/who-can-participate-in-a-simple-ira-plan](http://www.irs.gov/retirement-plans/plan-participant-employee/who-can-participate-in-a-simple-ira-plan).
- <sup>27</sup> “Operating a SIMPLE IRA Plan.” *Internal Revenue Service*, United States Department of the Treasury, 6 Nov. 2018, [www.irs.gov/retirement-plans/operating-a-simple-ira-plan](http://www.irs.gov/retirement-plans/operating-a-simple-ira-plan).
- <sup>28</sup> “Distributions.” *South State Bank*, South State Corporation, [www.southstatebank.com/wealth-management/products-services/investment-advice/iras/distributions](http://www.southstatebank.com/wealth-management/products-services/investment-advice/iras/distributions).
- <sup>29</sup> “Purpose and History.” *Thrift Savings Plan*, Federal Retirement Thrift Investment Board, [www.tsp.gov/PlanParticipation/AboutTheTSP/index.html](http://www.tsp.gov/PlanParticipation/AboutTheTSP/index.html). See subsequent financial statements.
- <sup>30</sup> “SIMPLE-IRA (Savings Incentive Match Plan for Employees).” *Hilliard Lyons*, J.J.B. Hilliard, W.L. Lyons, LLC, [onprem.hilliard.com/marketing/Brochures/934\\_SIMPLE\\_IRA\\_POD.pdf](http://onprem.hilliard.com/marketing/Brochures/934_SIMPLE_IRA_POD.pdf).
- <sup>31</sup> “Simple IRA (Savings Incentive Match Plan for Employees).” *Davis Funds*, Davis Distributors, LLC, [davisfunds.com/document/read/simple\\_ira\\_savings\\_incentive\\_match\\_plan\\_for\\_employees](http://davisfunds.com/document/read/simple_ira_savings_incentive_match_plan_for_employees).
- <sup>32</sup> “Tax Penalties on Early Withdrawals from Retirement Plans.” *Efile.com*, eFile LLC, TaxWork LLC, and Disqus, Inc., [www.efile.com/tax-penalty-early-retirement-withdrawals-distributions](http://www.efile.com/tax-penalty-early-retirement-withdrawals-distributions).
- <sup>33</sup> “Is There a Penalty for Early Withdrawals from a 457 Plan?” *CNNMoney*, Cable News Network, a Warner Media, LLC Company, [money.cnn.com/retirement/guide/401k\\_457plans.money.com/index4.htm](http://money.cnn.com/retirement/guide/401k_457plans.money.com/index4.htm).
- <sup>34</sup> “SIMPLE IRA: A Guide for Business Owners.” *Amazon Web Services*, Oppenheimerfunds, Inc., [www.oppenheimerfunds.com/advisors/da/SIMPLE\\_IRA\\_Employer\\_Guide.pdf](http://www.oppenheimerfunds.com/advisors/da/SIMPLE_IRA_Employer_Guide.pdf).
- <sup>35</sup> Steiner, Sheyna. “What Is the Roth IRA 5 Year Rule?” *Bankrate*, Bankrate, LLC, 13 Mar. 2016, [www.bankrate.com/investing/ira/roth-ira-5-year-rule-the-tax-free-earnings-clock-starts-ticking-at-different-times](http://www.bankrate.com/investing/ira/roth-ira-5-year-rule-the-tax-free-earnings-clock-starts-ticking-at-different-times).
- <sup>36</sup> “Retirement Topics - Exceptions to Tax on Early Distributions.” *Internal Revenue Service*, United States Department of the Treasury, 13 Dec. 2018, [www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-tax-on-early-distributions](http://www.irs.gov/retirement-plans/plan-participant-employee/retirement-topics-tax-on-early-distributions).
- <sup>37</sup> “Salary Reduction Simplified Employee Pension Plan (SARSEP).” *Internal Revenue Service*, United States Department of the Treasury, 27 July 2018, [www.irs.gov/retirement-plans/plan-sponsor/salary-reduction-simplified-employee-pension-plan-sarsep](http://www.irs.gov/retirement-plans/plan-sponsor/salary-reduction-simplified-employee-pension-plan-sarsep).
- <sup>38</sup> Kagen, Julia. “Uniform Transfers To Minors Act - UTMA.” *Investopedia Terms*, Investopedia, LLC, 14 Apr. 2018, [www.investopedia.com/terms/u/utma.asp](http://www.investopedia.com/terms/u/utma.asp).
- <sup>39</sup> Kagen, Julia. “Uniform Gifts to Minors Act - UGMA.” *Investopedia Terms*, Investopedia, LLC, 12 Jan. 2018, [www.investopedia.com/terms/u/ugma.asp](http://www.investopedia.com/terms/u/ugma.asp).
- <sup>40</sup> Tsai, Wallis Wilkinson. “What Are the Benefits and Drawbacks of an UGMA / UTMA?” *AboveBoard*, AboveBoard Financial Inc., AboveBoard Insurance Services, LLC, and AboveBoard Wealth Management, LLC, [www.aboveboardfinancial.com/blog/what-are-the-benefits-and-drawbacks-of-ugma-utma-accounts](http://www.aboveboardfinancial.com/blog/what-are-the-benefits-and-drawbacks-of-ugma-utma-accounts).
- <sup>41</sup> Clark, Ken. “Beginner's Guide to UGMA and UTMA Custodial Accounts.” *Is a Custodial Account for Your Kid's College Fund Ideal?*, The Balance, 19 Nov. 2018, [www.thebalance.com/beginners-guide-to-ugma-and-utma-custodial-accounts-4060475](http://www.thebalance.com/beginners-guide-to-ugma-and-utma-custodial-accounts-4060475).
- <sup>42</sup> Dulin, Jon (Don). “529 Plans versus UTMA Accounts.” *My Dollar Plan*, MyDollarPlan.com, 28 June 2016, [www.mydollarplan.com/529-plans-versus-utma-accounts](http://www.mydollarplan.com/529-plans-versus-utma-accounts).
- <sup>43</sup> “UGMA & UTMA Custodial Accounts.” *Financial Aid Advice*, FinAid.org, [www.finaid.org/savings/ugma.phtml](http://www.finaid.org/savings/ugma.phtml).
- <sup>44</sup> Williams, Sean. “A 95-Year History of Maximum Capital Gains Tax Rates in 1 Chart.” *The Motley Fool*, The Motley Fool, LLC, 11 Feb. 2017, 8:21 AM, [www.fool.com/retirement/2017/02/11/a-95-year-history-of-maximum-capital-gains-tax-rat.aspx](http://www.fool.com/retirement/2017/02/11/a-95-year-history-of-maximum-capital-gains-tax-rat.aspx).
- <sup>45</sup> Bradford, W. Murray, CFA®. “History of Federal Income Tax Rates: 1913 – 2019.” Bradford Tax Institute, [bradfordtaxinstitute.com/Free\\_Resources/Federal-Income-Tax-Rates.aspx](http://bradfordtaxinstitute.com/Free_Resources/Federal-Income-Tax-Rates.aspx).

- <sup>46</sup> Schnotz, Wilhelm. “Do You Pay Capital Gains on a Traditional IRA?” *Zacks*, Zacks Investment Research, 10 May 2018, [finance.zacks.com/pay-capital-gains-traditional-ira-4110.html](https://finance.zacks.com/pay-capital-gains-traditional-ira-4110.html).
- <sup>47</sup> “Guide to Short-Term vs Long-Term Capital Gains Taxes (Brokerage Accounts, Etc.).” *TurboTax*, Intuit, Inc., [turbotax.intuit.com/tax-tips/investments-and-taxes/guide-to-short-term-vs-long-term-capital-gains-taxes-brokerage-accounts-etc/L7KC9etn](https://turbotax.intuit.com/tax-tips/investments-and-taxes/guide-to-short-term-vs-long-term-capital-gains-taxes-brokerage-accounts-etc/L7KC9etn).
- <sup>48</sup> “Roth IRA Taxes Rules for Contributions & Withdrawals.” *RothIRA.com*, Retirement Online LLC, [www.rothira.com/roth-ira-taxes-and-tax-issues](https://www.rothira.com/roth-ira-taxes-and-tax-issues).
- <sup>49</sup> Caplinger, Dan. “Betting On the Bear in Your IRA.” *The Motley Fool*, The Motley Fool, LLC, 10 July 2008, 12:00 AM, [www.fool.com/retirement/iras/2008/07/10/betting-on-the-bear-in-your-ira.aspx](https://www.fool.com/retirement/iras/2008/07/10/betting-on-the-bear-in-your-ira.aspx).
- <sup>50</sup> Bernstein, William J. “If You Can: How Millennials Can Get Rich Slowly.” *ETF.com*, Cboe Global Markets, Inc., Mar. 2014, [www.etf.com/docs/IfYouCan.pdf](https://www.etf.com/docs/IfYouCan.pdf).

## Chapter 7: College

- <sup>1</sup> Kennon, Joshua. “If You Spend Your Child's UTMA Money, You're Probably Breaking the Law.” *Touch That College Fund and You Could Go to Jail or End Up Financially Destroyed*, The Balance, 17 Oct. 2016, [www.thebalance.com/spending-childs-utma-money-illegal-358134](https://www.thebalance.com/spending-childs-utma-money-illegal-358134).
- <sup>2</sup> Bank, Eric. “When Can a Parent Cash Out a UTMA or a UGMA?” *Pocket Sense*, Leaf Group Ltd., 4 Dec. 2018, [pocketsense.com/can-parent-cash-out-utma-ugma-9971.html](https://pocketsense.com/can-parent-cash-out-utma-ugma-9971.html).
- <sup>3</sup> “UGMA/UTMA Accounts.” *OppenheimerFunds*, OppenheimerFunds Distributor, Inc., [www.oppenheimerfunds.com/investors/article/ugma-utma-accounts](https://www.oppenheimerfunds.com/investors/article/ugma-utma-accounts).
- <sup>4</sup> Buttell, Amy E. “Shifting UGMA Money to a 529: the Pros and Cons.” *Savingforcollege*, Saving for College, LLC, 18 June 2010, [www.savingforcollege.com/articles/20100618-shifting-UGMA-money-to-529-the-pros-and-cons](https://www.savingforcollege.com/articles/20100618-shifting-UGMA-money-to-529-the-pros-and-cons).
- <sup>5</sup> “UGMA & UTMA Custodial Accounts.” *Financial Aid Advice*, FinAid.org, [www.finaid.org/savings/ugma.phtml](https://www.finaid.org/savings/ugma.phtml).
- <sup>6</sup> Team, The Fastweb. “Should Parents Transfer College Savings from an UTMA Account to a 529 Plan?” *Fastweb*, Fastweb.com, 28 Aug. 2017, [www.fastweb.com/financial-aid/articles/should-parents-transfer-college-savings-from-an-utma-account-to-a-529-plan](https://www.fastweb.com/financial-aid/articles/should-parents-transfer-college-savings-from-an-utma-account-to-a-529-plan).
- <sup>7</sup> “What Is the FAFSA?” *Federal Student Aid*, U.S. Department of Education, 30 Sept. 2018, [studentaid.ed.gov/sa/help/fafsa](https://studentaid.ed.gov/sa/help/fafsa).
- <sup>8</sup> “Student Aid Secrets: Reporting Student vs. Parent Assets on the FAFSA.” *Edvisors*, Edvisors Network, Inc., [www.edvisors.com/fafsa/secrets/student-vs-parent-assets](https://www.edvisors.com/fafsa/secrets/student-vs-parent-assets).
- <sup>9</sup> Kantrowitz, Mark. “How Do Retirement Funds Affect Student Aid Eligibility?” *Fastweb*, Fastweb.com, 6 Oct. 2009, [www.fastweb.com/financial-aid/articles/how-do-retirement-funds-affect-student-aid-eligibility](https://www.fastweb.com/financial-aid/articles/how-do-retirement-funds-affect-student-aid-eligibility).
- <sup>10</sup> Onink, Troy. “2017 Guide To College Financial Aid, The FAFSA And CSS Profile.” *Forbes Magazine*, Forbes Media LLC, 8 Jan. 2017, 8:00 AM, [www.forbes.com/sites/troyonink/2017/01/08/2017-guide-to-college-financial-aid-the-fafsa-and-css-profile](https://www.forbes.com/sites/troyonink/2017/01/08/2017-guide-to-college-financial-aid-the-fafsa-and-css-profile).
- <sup>11</sup> “The EFC Formula, 2017–2018.” *Federal Student Aid*, U.S. Department of Education, [studentaid.ed.gov/sa/sites/default/files/2017-18-efc-formula.pdf](https://studentaid.ed.gov/sa/sites/default/files/2017-18-efc-formula.pdf).
- <sup>12</sup> Baldwin, William. “Paying for College: How the Financial Aid Formulas Work.” *Forbes Magazine*, Forbes Media LLC, 18 Mar. 2013, 12:04 PM, [www.forbes.com/sites/baldwin/2013/02/28/college-aid-formulas-fafsa-profile-and-consensus/#4366496b1671](https://www.forbes.com/sites/baldwin/2013/02/28/college-aid-formulas-fafsa-profile-and-consensus/#4366496b1671).
- <sup>13</sup> Morrow, Edwin P. “Asset Protection Planning.” *Financial Planning Association*, KeyBank, NA, 15 Aug. 2012, [chapters.onefpa.org/cinci/wp-content/uploads/sites/3/2014/05/CreditorProtectionforIRAsAnnuitiesInsuranceAug152012WEPC1.pdf](https://chapters.onefpa.org/cinci/wp-content/uploads/sites/3/2014/05/CreditorProtectionforIRAsAnnuitiesInsuranceAug152012WEPC1.pdf).
- <sup>14</sup> Richard et al. “Is the Distribution of an UTMA a Taxable Event?” *JustAnswer Tax*, JustAnswer LLC, [www.justanswer.com/tax/7urfk-distribution-utma-taxable-event-will-produce.html](https://www.justanswer.com/tax/7urfk-distribution-utma-taxable-event-will-produce.html).
- <sup>15</sup> “Publication 970: Tax Benefits for Education.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p970.pdf](https://www.irs.gov/pub/irs-pdf/p970.pdf).
- <sup>16</sup> Feldman, Amy. “Don't Let That 529 College Plan Hurt Your Financial Aid.” *Reuters*, Thomson Reuters Corporation, 29 Apr. 2013, 12:01 PM, [www.reuters.com/article/us-column-feldman-529/dont-let-that-529-college-plan-hurt-your-financial-aid-idUSBRE93S0LZ20130429](https://www.reuters.com/article/us-column-feldman-529/dont-let-that-529-college-plan-hurt-your-financial-aid-idUSBRE93S0LZ20130429).
- <sup>17</sup> “Student Aid Secrets: Reporting Student vs. Parent Assets on the FAFSA.” *Edvisors*, Edvisors Network, Inc., [www.edvisors.com/fafsa/secrets/student-vs-parent-assets](https://www.edvisors.com/fafsa/secrets/student-vs-parent-assets).
- <sup>18</sup> Buttell, Amy. “529 Plans: Not for Kids Only.” *Savingforcollege*, Saving for College, LLC, 30 Jan. 2018, [www.savingforcollege.com/article/529-plans-not-for-kids-only](https://www.savingforcollege.com/article/529-plans-not-for-kids-only).
- <sup>19</sup> Sullivan, Vince. “Should Your Clients Use Their Home State's 529 Plan?” *Savingforcollege*, Saving for College, LLC, 4 Apr. 2018, [www.savingforcollege.com/article/should-your-clients-use-their-home-state-s-529-plan](https://www.savingforcollege.com/article/should-your-clients-use-their-home-state-s-529-plan).
- <sup>20</sup> Flynn, Kathryn. “7 Reasons To Have A Separate 529 Plan For Each Child.” *Forbes Magazine*, Forbes Media LLC, 4 Sept. 2018, 6:25 PM, [www.forbes.com/sites/katiepf/2018/09/04/7-reasons-to-have-a-separate-529-plan-for-each-child/#1b6b8c5d7c81](https://www.forbes.com/sites/katiepf/2018/09/04/7-reasons-to-have-a-separate-529-plan-for-each-child/#1b6b8c5d7c81).
- <sup>21</sup> “Save in The Vanguard 529 Plan & Get More.” *Vanguard*, The Vanguard Group, Inc., [investor.vanguard.com/529-plan/vanguard-529-plan](https://investor.vanguard.com/529-plan/vanguard-529-plan).
- <sup>22</sup> “Common 529 Plan Questions.” *Vanguard*, The Vanguard Group, Inc., [investor.vanguard.com/529-plan/common-questions](https://investor.vanguard.com/529-plan/common-questions).

- <sup>23</sup> Bill, Big and Joe. "Two Kids, Two 529 Plans?" *Savingforcollege*, Saving for College, LLC, 13 Oct. 2005 (Updated 7 Mar. 2018), [www.savingforcollege.com/questions-answers/article/two-kids-two-529-plans](http://www.savingforcollege.com/questions-answers/article/two-kids-two-529-plans).
- <sup>24</sup> Gobel, Reyna. "Beware of 5 Myths About Changing a 529 Plan Beneficiary." *U.S. News & World Report*, U.S. News & World Report L.P., 9 July 2014, 11:44 AM, [www.usnews.com/education/best-colleges/paying-for-college/articles/2014/07/09/beware-of-5-myths-about-changing-a-529-plan-beneficiary](http://www.usnews.com/education/best-colleges/paying-for-college/articles/2014/07/09/beware-of-5-myths-about-changing-a-529-plan-beneficiary).
- <sup>25</sup> "529 Plans: Questions and Answers." *Internal Revenue Service*, United States Department of the Treasury, 20 Feb. 2018, [www.irs.gov/newsroom/529-plans-questions-and-answers](http://www.irs.gov/newsroom/529-plans-questions-and-answers).
- <sup>26</sup> Schwab-Pomerantz, Carrie. "529 Accounts: What Happens When Your Child Doesn't Go to College?" *Charles Schwab*, The Charles Schwab Corporation, 30 Aug. 2017, [www.schwab.com/resource-center/insights/content/529-account-what-happens](http://www.schwab.com/resource-center/insights/content/529-account-what-happens).
- <sup>27</sup> Appleby, Denise. "529 Plans: Eligibility." *Investopedia University*, Investopedia, LLC, [www.investopedia.com/university/retirementplans/529plan/529plan2.asp](http://www.investopedia.com/university/retirementplans/529plan/529plan2.asp).
- <sup>28</sup> "Avoid These 529 Withdrawal Traps." *Savingforcollege*, Saving for College, LLC, [www.savingforcollege.com/article/avoid-these-529-withdrawal-traps](http://www.savingforcollege.com/article/avoid-these-529-withdrawal-traps).
- <sup>29</sup> "How to Transfer 529 Plan Funds to a Sibling without Paying Taxes." *Savingforcollege*, Saving for College, LLC, 10 July 2018, [www.savingforcollege.com/article/how-to-transfer-529-plan-funds-to-a-sibling](http://www.savingforcollege.com/article/how-to-transfer-529-plan-funds-to-a-sibling).
- <sup>30</sup> "5 Things to Consider before Doing a 529 Plan Rollover." *Savingforcollege*, Saving for College, LLC, 27 Aug. 2018, [www.savingforcollege.com/article/5-things-to-consider-before-doing-a-529-plan-rollover](http://www.savingforcollege.com/article/5-things-to-consider-before-doing-a-529-plan-rollover).
- <sup>31</sup> "How to Spend from a 529 Savings Plan." *Fidelity Viewpoints*, FMR LLC, 3 Dec. 2018, [www.fidelity.com/viewpoints/personal-finance/college-529-spending](http://www.fidelity.com/viewpoints/personal-finance/college-529-spending).
- <sup>32</sup> "An Introduction to 529 Plans." *SEC Investor Publications*, U.S. Securities and Exchange Commission, 29 May 2018, [www.sec.gov/reportspubs/investor-publications/investorpubsintro529htm.html](http://www.sec.gov/reportspubs/investor-publications/investorpubsintro529htm.html).
- <sup>33</sup> "The Tax Advantages of 529 College Savings Plans." *Edvisors*, Edvisors Network, Inc., [www.edvisors.com/education-tax-benefits/college-savings/529-college-savings-plans](http://www.edvisors.com/education-tax-benefits/college-savings/529-college-savings-plans).
- <sup>34</sup> Lankford, Kimberly. "Paying for Off-Campus Housing with a 529 Plan." *Kiplinger*, Kiplinger Washington Editors Inc., 13 June 2017, [www.kiplinger.com/article/college/T002-C001-S001-paying-for-off-campus-housing-with-a-529-plan.html](http://www.kiplinger.com/article/college/T002-C001-S001-paying-for-off-campus-housing-with-a-529-plan.html).
- <sup>35</sup> Kagen, Julia. "529 Plan." *Investopedia Terms*, Investopedia, LLC, 8 Jan. 2018, [www.investopedia.com/terms/1/529plan.asp](http://www.investopedia.com/terms/1/529plan.asp).
- <sup>36</sup> Kagen, Julia. "529 Prepaid Tuition Plan." *Investopedia Terms*, Investopedia, LLC, 26 June 2018, [www.investopedia.com/terms/1/529-prepaid-tuition-plan.asp](http://www.investopedia.com/terms/1/529-prepaid-tuition-plan.asp).
- <sup>37</sup> "Plan Details: Tomorrow's Tuition at Today's Prices." *Private College 529 Plan*, Tuition Plan Consortium, LLC and OFI Private Investments Inc., a Subsidiary of OppenheimerFunds, Inc., [www.privatecollege529.com/OFI529/theme/pc529/learn-more/plan-details.jsp](http://www.privatecollege529.com/OFI529/theme/pc529/learn-more/plan-details.jsp).
- <sup>38</sup> Hegar, Glenn. "Saving For College In Texas." *Texas Tuition Promise Fund*, Texas Prepaid Higher Education Tuition Board, Northern Lights Distributors, LLC, and NorthStar Financial Services Group, LLC, [www.texas tuition promise fund.com/content/explore-my-options/saving-for-college-in-texas](http://www.texas tuition promise fund.com/content/explore-my-options/saving-for-college-in-texas). See "Transfer Value" popup.
- <sup>39</sup> "FAQs: Tax Considerations." *Private College 529 Plan*, Tuition Plan Consortium, LLC and OFI Private Investments Inc., a Subsidiary of OppenheimerFunds, Inc., [www.privatecollege529.com/OFI529/theme/pc529/learn-more/faqs/tax-considerations.jsp](http://www.privatecollege529.com/OFI529/theme/pc529/learn-more/faqs/tax-considerations.jsp).
- <sup>40</sup> "FAQs: Plan Basics." *Private College 529 Plan*, Tuition Plan Consortium, LLC and OFI Private Investments Inc., a Subsidiary of OppenheimerFunds, Inc., [www.privatecollege529.com/OFI529/theme/pc529/learn-more/faqs/plan-basics.jsp](http://www.privatecollege529.com/OFI529/theme/pc529/learn-more/faqs/plan-basics.jsp).
- <sup>41</sup> "Prepaid Tuition Plans Tax Advantages." *Edvisors*, Edvisors Network, Inc., [www.edvisors.com/education-tax-benefits/college-savings/prepaid-tuition-plans](http://www.edvisors.com/education-tax-benefits/college-savings/prepaid-tuition-plans).
- <sup>42</sup> "529 Prepaid Tuition Plans." *FINRA.org*, Financial Industry Regulatory Authority, Inc., [www.finra.org/investors/529-prepaid-tuition-plans](http://www.finra.org/investors/529-prepaid-tuition-plans).
- <sup>43</sup> Hamill, Sean D. "Prepaid College Savings Plans Might Not Cover All Costs." *The New York Times*, The New York Times Company, 4 Oct. 2009, [www.nytimes.com/2009/10/05/education/05college.html](http://www.nytimes.com/2009/10/05/education/05college.html).
- <sup>44</sup> Tanner, Jane. "The High - Risk Prepaid Tuition Plan." *Florida Trend*, Trend Magazines Inc., 1 Sept. 1997, [www.floridatrend.com/article/13868/the-high--risk-prepaid-tuition-plan](http://www.floridatrend.com/article/13868/the-high--risk-prepaid-tuition-plan).
- <sup>45</sup> Storjohann, Mary Beth. "Should I Invest in a 529 Plan for My Child?" *Haven Life*, Massachusetts Mutual Life Insurance Company, 14 May 2018, [havenlife.com/blog/should-i-invest-in-a-529-plan](http://havenlife.com/blog/should-i-invest-in-a-529-plan).
- <sup>46</sup> "Section 529 Plans." *Financial Aid Advice*, FinAid.org, [www.finaid.org/savings/529plans.phtml](http://www.finaid.org/savings/529plans.phtml).
- <sup>47</sup> "Consumer Price Index, 1913-." *Federal Reserve Bank of Minneapolis (Ninth District)*, United States Federal Reserve System, [www.minneapolisfed.org/community/financial-and-economic-education/cpi-calculator-information/consumer-price-index-and-inflation-rates-1913](http://www.minneapolisfed.org/community/financial-and-economic-education/cpi-calculator-information/consumer-price-index-and-inflation-rates-1913).
- <sup>48</sup> "Average Tuition and Fees and Room and Board (Enrollment-Weighted) in Current Dollars and in 2018 Dollars, 1971-72 to 2018-19." *Trends in Higher Education*, The College Board, [trends.collegeboard.org/sites/default/files/2018-trends-college-pricing-souce-data\\_0.xlsx](http://trends.collegeboard.org/sites/default/files/2018-trends-college-pricing-souce-data_0.xlsx).
- <sup>49</sup> "S&P 500 Historical Annual Returns" *Macrotrends*, Macrotrends LLC, [www.macrotrends.net/2526/sp-500-historical-annual-returns](http://www.macrotrends.net/2526/sp-500-historical-annual-returns).
- <sup>50</sup> "NASDAQ Composite - 45 Year Historical Chart" *Macrotrends*, Macrotrends LLC, [www.macrotrends.net/1320/nasdaq-historical-chart](http://www.macrotrends.net/1320/nasdaq-historical-chart).

- <sup>51</sup> Stockton, Kimberly; Donaldson, Scott, CFA®, CFP®, Ahluwalia, Harshdeep, M.Sc.; Tufano, Matthew; and Walker, David, CFA®. “When age meets risk tolerance: Best practices for 529 investing” *Vanguard Research*, The Vanguard Group, Inc., Sept. 2018, [personal.vanguard.com/pdf/ISG529A.pdf](https://personal.vanguard.com/pdf/ISG529A.pdf).
- <sup>52</sup> “Investment Portfolio Management” *Public Examination Manual*, The Federal Housing Finance Agency, [www.fhfa.gov/SupervisionRegulation/Documents/Investment\\_Portfolio\\_Management\\_Module\\_Final\\_Version\\_1\\_0-508.pdf](https://www.fhfa.gov/SupervisionRegulation/Documents/Investment_Portfolio_Management_Module_Final_Version_1_0-508.pdf).
- <sup>53</sup> “Education Savings Account (ESA)” *Wells Fargo Investing*, Wells Fargo & Company, [www.wellsfargo.com/investing/education/education-savings-account](https://www.wellsfargo.com/investing/education/education-savings-account).
- <sup>54</sup> Edspira. “Coverdell Education Savings Account (ESA).” *YouTube*, YouTube, LLC, 5 Sept. 2016, [www.youtube.com/watch?v=wq-KTWZZ8vM](https://www.youtube.com/watch?v=wq-KTWZZ8vM).
- <sup>55</sup> Shows, BizTV. “The Coverdell ESA.” *YouTube*, YouTube, LLC, 13 July 2013, [www.youtube.com/watch?v=45YeJg1Gr6s](https://www.youtube.com/watch?v=45YeJg1Gr6s).
- <sup>56</sup> LLC, Arbogast Advisers. “5 Minute Finance ESA vs 529.” *YouTube*, YouTube, LLC, 23 Feb. 2016, [www.youtube.com/watch?v=2KuFamRA1HQ](https://www.youtube.com/watch?v=2KuFamRA1HQ).
- <sup>57</sup> Edspira. “Section 529 Plans vs. Coverdell Education Savings Accounts.” *YouTube*, YouTube, LLC, 30 Oct. 2016, [www.youtube.com/watch?v=d3LKmQdEb4o&t=17s](https://www.youtube.com/watch?v=d3LKmQdEb4o&t=17s).
- <sup>58</sup> “IRS Tax Tip 2003-38: Coverdell Education Savings Accounts Can Make Education Costs Less Taxing” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-news/at-03-38.pdf](https://www.irs.gov/pub/irs-news/at-03-38.pdf).
- <sup>59</sup> “Chapter 7: Coverdell Education Savings Account (ESA).” *Internal Revenue Service*, United States Department of the Treasury, [taxmap.irs.gov/taxmap/pubs/p970-022.htm](https://taxmap.irs.gov/taxmap/pubs/p970-022.htm).
- <sup>60</sup> Kagen, Julia. “Coverdell Education Savings Account (ESA).” *Investopedia Terms*, Investopedia, LLC, 4 Jan. 2018, [www.investopedia.com/terms/c/coverdellesa.asp](https://www.investopedia.com/terms/c/coverdellesa.asp).
- <sup>61</sup> “Where can I find my Prior Year AGI (Adjusted Gross Income)?” *TaxSlayer*, TaxSlayer LLC, [www.taxslayer.com/support/655/Where-can-I-find-my-prior-year-AGI](https://www.taxslayer.com/support/655/Where-can-I-find-my-prior-year-AGI).
- <sup>62</sup> Lake, Rebecca. “Modified Adjusted Gross Income (MAGI)” *RothIRA.com*, Investopedia, LLC, [www.rothira.com/modified-adjusted-gross-income-magi](https://www.rothira.com/modified-adjusted-gross-income-magi).
- <sup>63</sup> “What Is the Difference Between AGI and MAGI on Your Taxes?” *TurboTax*, Intuit Inc., 2018, [turbotax.intuit.com/tax-tips/irs-tax-return/what-is-the-difference-between-agi-and-magi-on-your-taxes/L7kHckNS3](https://turbotax.intuit.com/tax-tips/irs-tax-return/what-is-the-difference-between-agi-and-magi-on-your-taxes/L7kHckNS3).
- <sup>64</sup> Fisher, David. “How to Calculate Your Modified Adjusted Gross Income.” *The IRS uses your MAGI to determine whether you can contribute to an IRA*, The Balance, 1 Nov. 2018, [www.thebalance.com/how-to-calculate-your-modified-adjusted-gross-income-4047216](https://www.thebalance.com/how-to-calculate-your-modified-adjusted-gross-income-4047216).
- <sup>65</sup> “Coverdell ESA Contribution.” *New Direction IRA*, New Direction IRA Inc., [newdirectionira.com/ira-info/contributions/coverdell-esa](https://newdirectionira.com/ira-info/contributions/coverdell-esa).
- <sup>66</sup> “Coverdell Education Savings Accounts.” *Finra.org*, Financial Industry Regulatory Authority, Inc., [apps.finra.org/investor\\_information/smart/529/307000.asp](https://apps.finra.org/investor_information/smart/529/307000.asp). Article posted before 2010 Congressional renewal with same conditions.
- <sup>67</sup> Hagan, Martin. “Section 529 Plans: Saving for Higher Education.” *Martin Hagan’s Trust and Estate Resource Center*, Meyer Unkovic & Scott LLP, [haganlaw.net/?page\\_id=103](https://haganlaw.net/?page_id=103).
- <sup>68</sup> “Account Ownership: In Whose Name to Save?” *Financial Aid Advice*, FinAid.org, [www.finaid.org/savings/accountownership.phtml](https://www.finaid.org/savings/accountownership.phtml).
- <sup>69</sup> “Topic Number 310 - Coverdell Education Savings Accounts.” *Internal Revenue Service*, United States Department of the Treasury, 1 Mar. 2018, [www.irs.gov/taxtopics/tc310](https://www.irs.gov/taxtopics/tc310).
- <sup>70</sup> “Intro to ESAs (Coverdell Education Savings Accounts).” *Savingforcollege*, Saving for College, LLC, [www.savingforcollege.com/intro\\_to\\_esas/?esa\\_faq\\_category\\_id=2](https://www.savingforcollege.com/intro_to_esas/?esa_faq_category_id=2).
- <sup>71</sup> “Traditional IRA Contribution.” *New Direction IRA*, New Direction IRA, Inc., [newdirectionira.com/ira-info/contributions/traditional-ira](https://newdirectionira.com/ira-info/contributions/traditional-ira).
- <sup>72</sup> “Custodial Account Agreement For Coverdell Education Savings Accounts.” *Nationwide Funds*, U.S. Bancorp Fund Services, LLC, Jan. 2013, [nationwidefinancial.com/media/pdf/CESA-DISC.pdf](https://nationwidefinancial.com/media/pdf/CESA-DISC.pdf).
- <sup>73</sup> “Frequently Asked Questions About Coverdell Education Savings Accounts.” *ICI Global*, The Investment Company Institute, Mar. 2015, [www.ici.org/pubs/faqs/faqs\\_coverdell](https://www.ici.org/pubs/faqs/faqs_coverdell).
- <sup>74</sup> Rose, Jeff. “What’s the Differences between Coverdell Education Savings Accounts vs. 529 College Savings Plans?” *Good Financial Cents*, Alliance Wealth Management, LLC, 15 May 2018, [www.goodfinancialcents.com/difference-between-esa-education-savings-accounts-vs-529-college-savings-plans](https://www.goodfinancialcents.com/difference-between-esa-education-savings-accounts-vs-529-college-savings-plans).
- <sup>75</sup> “Publication 559: Survivors, Executors, and Administrators.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p559.pdf](https://www.irs.gov/pub/irs-pdf/p559.pdf).
- <sup>76</sup> “Instructions for Form 709: United States Gift (and Generation-Skipping Transfer) Tax Return (2018 Draft).” *Internal Revenue Service*, United States Department of the Treasury, 10 Dec. 2018, [www.irs.gov/pub/irs-dft/i709--dft.pdf](https://www.irs.gov/pub/irs-dft/i709--dft.pdf).
- <sup>77</sup> “Gift Taxes.” *Financial Aid Advice*, FinAid.org, [www.finaid.org/savings/gifttaxes.phtml](https://www.finaid.org/savings/gifttaxes.phtml).
- <sup>78</sup> “Using 529 plans to invest for college and transfer wealth.” *Merrill Edge*, Bank of America Corporation, [www.merrilledge.com/article/using-529-plans-invest-for-college](https://www.merrilledge.com/article/using-529-plans-invest-for-college).
- <sup>79</sup> Abendroth, Thomas W. “FAQs on the Use of the Gift Tax Medical and Tuition Expense Exclusion.” *Schiff Hardin*, Schiff Hardin LLP, 2 Jan. 2018, [www.schiffhardin.com/insights/publications/2018/faqs-on-the-use-of-the-gift-tax-medical-and-tuition-expense-exclusion](https://www.schiffhardin.com/insights/publications/2018/faqs-on-the-use-of-the-gift-tax-medical-and-tuition-expense-exclusion).
- <sup>80</sup> Kagen, Julia. “Generation-Skipping Transfer Tax - GSTT.” *Investopedia Terms*, Investopedia, LLC, 11 June 2018, [www.investopedia.com/terms/g/generation-skipping-transfer-tax.asp](https://www.investopedia.com/terms/g/generation-skipping-transfer-tax.asp).
- <sup>81</sup> Garber, Julie. “The Exemption From Generation-Skipping Transfer Taxes.” *How the tax works and how to avoid it*, The Balance, [www.thebalance.com/exemption-from-generation-skipping-transfer-taxes-3505526](https://www.thebalance.com/exemption-from-generation-skipping-transfer-taxes-3505526).
- <sup>82</sup> “Instructions for Form 706” *Internal Revenue Service*, United States Department of the Treasury, Nov. 2018, [www.irs.gov/pub/irs-pdf/i706.pdf](https://www.irs.gov/pub/irs-pdf/i706.pdf).

<sup>83</sup> Scarboro, Morgan. “Does Your State Have an Estate or Inheritance Tax?” *State Estate & Inheritance Tax Rates & Exemptions in 2018*, Tax Foundation, 5 Apr. 2018, [taxfoundation.org/state-estate-tax-inheritance-tax-2018](https://taxfoundation.org/state-estate-tax-inheritance-tax-2018).

<sup>84</sup> “Inheritance Tax vs. Estate Tax” *USTaxCenter*, IRS.com, [www.irs.com/articles/inheritance-tax-vs-estate-tax](https://www.irs.com/articles/inheritance-tax-vs-estate-tax).

## Chapter 8: Do Your Taxes

<sup>1</sup> “Form 1040 Instructions (2018 Draft).” *Internal Revenue Service*, United States Department of the Treasury, 26 Sept. 2018, [www.irs.gov/pub/irs-dft/i1040gi--dft.pdf](https://www.irs.gov/pub/irs-dft/i1040gi--dft.pdf).

<sup>2</sup> “Form 1040 Instructions.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/i1040gi.pdf](https://www.irs.gov/pub/irs-pdf/i1040gi.pdf)

<sup>3</sup> “What is Form 1040” *Tax Information Center*, HRB Digital LLC, [www.hrblock.com/tax-center/irs/forms/form-1040](https://www.hrblock.com/tax-center/irs/forms/form-1040).

<sup>4</sup> “About Form 1040, U.S. Individual Income Tax Return.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/forms-pubs/about-form-1040](https://www.irs.gov/forms-pubs/about-form-1040).

<sup>5</sup> “What IS an IRS 1040 Form?” *TurboTax*, Intuit Inc., [turbotax.intuit.com/tax-tips/irs-tax-return/what-is-an-irs-1040-form/L4aOys6cI](https://turbotax.intuit.com/tax-tips/irs-tax-return/what-is-an-irs-1040-form/L4aOys6cI).

<sup>6</sup> “Form W-2: Wage and Tax Statement.” *Internal Revenue Service*, United States Department of the Treasury, 29 Nov. 2018, [www.irs.gov/pub/irs-pdf/fw2.pdf](https://www.irs.gov/pub/irs-pdf/fw2.pdf).

<sup>7</sup> “About Form W-2, Wage and Tax Statement.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/forms-pubs/about-form-w-2](https://www.irs.gov/forms-pubs/about-form-w-2).

<sup>8</sup> Kokemuller, Neil. “What Is a W2 Form?” *Sapling*, Lead Group Ltd., 28 Oct. 2011, [www.sapling.com/5405367/form](https://www.sapling.com/5405367/form).

<sup>9</sup> “About Form W-2 G, Certain Gambling Winnings.” *Internal Revenue Service*, United States Department of the Treasury, 21 Nov. 2018, [www.irs.gov/forms-pubs/about-form-w-2-g](https://www.irs.gov/forms-pubs/about-form-w-2-g).

<sup>10</sup> “About Form W-3, Transmittal of Wage and Tax Statements.” *Internal Revenue Service*, United States Department of the Treasury, 21 Nov. 2018, [www.irs.gov/forms-pubs/about-form-w-3](https://www.irs.gov/forms-pubs/about-form-w-3).

<sup>11</sup> Wang, Jim. “What Are the Different 1099 Tax Forms?” *TurboTax Blog*, Intuit Inc., 16 Nov. 2011, [blog.turbotax.intuit.com/income-and-investments/what-are-the-different-1099-forms-7900](https://blog.turbotax.intuit.com/income-and-investments/what-are-the-different-1099-forms-7900).

<sup>12</sup> “Publication 15: (Circular E), Employer's Tax Guide.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p15.pdf](https://www.irs.gov/pub/irs-pdf/p15.pdf).

<sup>13</sup> “Instructions for Form 1099-MISC.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/i1099misc.pdf](https://www.irs.gov/pub/irs-pdf/i1099misc.pdf).

<sup>14</sup> Botkin, Kira. “What is a 1099 IRS Tax Form – 1099-INT, 1099-R, SSA-1099 Variants.” *Money Crashers*, SparkCharge Media, LLC., [www.moneycrashers.com/what-is-a-1099-form-taxes](https://www.moneycrashers.com/what-is-a-1099-form-taxes).

<sup>15</sup> “Forms and Instructions.” *Internal Revenue Service*, United States Department of the Treasury, [apps.irs.gov/app/picklist/list/formsInstructions.html?value=1099&criteria=formNumber](https://apps.irs.gov/app/picklist/list/formsInstructions.html?value=1099&criteria=formNumber).

<sup>16</sup> “1099 Form Information-Types, Filing Requirements, Due Dates.” *efile.com*, eFile LLC, TaxWork LLC, and Disqus, Inc., [www.efile.com/what-is-form-1099-misc-income-tax-return-requirements](https://www.efile.com/what-is-form-1099-misc-income-tax-return-requirements).

<sup>17</sup> Kagen, Julia. “Form 1098.” *Investopedia Terms*, Investopedia, LLC, 9 Aug. 2017, [www.investopedia.com/terms/f/form\\_1098.asp](https://www.investopedia.com/terms/f/form_1098.asp).

<sup>18</sup> “Description of 2018 1098.” *PDFfiller*, PDFfiller, Inc., [1098-form.pdfFiller.com](https://1098-form.pdfFiller.com).

<sup>19</sup> Botkin, Kira. “What Is a 1098 IRS Tax Form – 1098-C, 1098-E, 1098-T?” *Money Crashers*, SparkCharge Media, LLC., [www.moneycrashers.com/what-is-a-1098-form-taxes](https://www.moneycrashers.com/what-is-a-1098-form-taxes).

<sup>20</sup> “General Instructions for Certain Information Returns.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/i1099gi.pdf](https://www.irs.gov/pub/irs-pdf/i1099gi.pdf).

<sup>21</sup> “About Form 1098, Mortgage Interest Statement.” *Internal Revenue Service*, United States Department of the Treasury, 3 Dec. 2018, [www.irs.gov/forms-pubs/about-form-1098](https://www.irs.gov/forms-pubs/about-form-1098).

<sup>22</sup> “Instructions for Form 1098-Q.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/i1098q.pdf](https://www.irs.gov/pub/irs-pdf/i1098q.pdf).

<sup>23</sup> Salam, Debera, CPP® and Hausser, Kenneth, CPP®. “Federal and State Form W-4 Compliance.” *EY: Building a better working world*, Ernst & Young LLP, 2016, [www.ey.com/publication/vwluassets/ey-w-4-federal-and-state-compliance-tips-2016-3-30-2016/%24file/ey-w-4-federal-and-state-compliance-tips-2016-3-30-2016.pdf](https://www.ey.com/publication/vwluassets/ey-w-4-federal-and-state-compliance-tips-2016-3-30-2016/%24file/ey-w-4-federal-and-state-compliance-tips-2016-3-30-2016.pdf).

<sup>24</sup> “Form W-4 (2019).” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/fw4.pdf](https://www.irs.gov/pub/irs-pdf/fw4.pdf).

<sup>25</sup> “Publication 505: Tax Withholding and Estimated Tax.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p505.pdf](https://www.irs.gov/pub/irs-pdf/p505.pdf).

<sup>26</sup> Savage, Laurie. “IRS Releases Draft of New Form W-4 for 2019.” *Paychex Worx*, Paychex, Inc., 20 Sept. 2018, [www.paychex.com/articles/compliance/irs-releases-draft-form-w4-2019](https://www.paychex.com/articles/compliance/irs-releases-draft-form-w4-2019).

<sup>27</sup> “What Is a W-4 Form?” *TurboTax*, Intuit, Inc., [turbotax.intuit.com/tax-tips/irs-tax-forms/what-is-a-w-4-form/L2NapDzX2](https://turbotax.intuit.com/tax-tips/irs-tax-forms/what-is-a-w-4-form/L2NapDzX2).

<sup>28</sup> “Use IRS Free File to File Taxes for Free.” *Internal Revenue Service*, United States Department of the Treasury, 16 Oct. 2018, [www.irs.gov/newsroom/use-irs-free-file-to-file-taxes-for-free](https://www.irs.gov/newsroom/use-irs-free-file-to-file-taxes-for-free).

<sup>29</sup> “Free File: Do Your Federal Taxes for Free.” *Internal Revenue Service*, United States Department of the Treasury, 21 Dec. 2018, [www.irs.gov/filing/free-file-do-your-federal-taxes-for-free](https://www.irs.gov/filing/free-file-do-your-federal-taxes-for-free).



- <sup>30</sup> “Publication 5307: Tax Reform Basics for Individuals and Families.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p5307.pdf](http://www.irs.gov/pub/irs-pdf/p5307.pdf).
- <sup>31</sup> Greenberg, Scott. “Who Itemizes Deductions?” *Taxpayers with Higher Incomes Are More Likely to Itemize Deductions*, Tax Foundation, 22 Feb. 2018, [taxfoundation.org/who-itemizes-deductions](http://taxfoundation.org/who-itemizes-deductions).
- <sup>32</sup> Ellis, Ryan. “Nine In Ten Will Claim The Standard Deduction Under Tax Reform According To New White House Study.” *Forbes Magazine*, Forbes Media LLC, 22 Nov. 2017, 2:56 PM, [www.forbes.com/sites/forbes-finds/2018/12/28/5-best-tvs-under-1000-of-2018/#6c0cd5323890](http://www.forbes.com/sites/forbes-finds/2018/12/28/5-best-tvs-under-1000-of-2018/#6c0cd5323890).
- <sup>33</sup> Gilstrap, Amber. “Itemized Deductions: A Beginner’s Guide.” *Money Under 30*, Webpals Systems S.C Ltd., 12 Sept. 2018, [www.moneyunder30.com/itemized-deductions](http://www.moneyunder30.com/itemized-deductions).
- <sup>34</sup> “2018 Instructions for Schedule A (Form 1040).” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/i1040sca.pdf](http://www.irs.gov/pub/irs-pdf/i1040sca.pdf).
- <sup>35</sup> “Schedule A (Form 1040).” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/f1040sa.pdf](http://www.irs.gov/pub/irs-pdf/f1040sa.pdf).
- <sup>36</sup> Bischoff, Bill. “The little-noticed tax change that could affect your return” *MarketWatch*, MarketWatch, Inc., 9 Sept. 2018, 9:52 AM ET, [www.marketwatch.com/story/the-little-noticed-tax-change-that-could-affect-your-return-2018-03-19](http://www.marketwatch.com/story/the-little-noticed-tax-change-that-could-affect-your-return-2018-03-19).
- <sup>37</sup> Kagen, Julia. “Itemized Deduction” *Investopedia Terms*, Investopedia, LLC, 24 Oct. 2018, [www.investopedia.com/terms/i/itemizeddeduction.asp](http://www.investopedia.com/terms/i/itemizeddeduction.asp).
- <sup>38</sup> “Policy Basics: The Earned Income Tax Credit.” *CBPP.org Research*, Center on Budget and Policy Priorities, 19 Apr. 2018, [www.cbpp.org/research/federal-tax/policy-basics-the-earned-income-tax-credit](http://www.cbpp.org/research/federal-tax/policy-basics-the-earned-income-tax-credit).
- <sup>39</sup> “What is the earned income tax credit (EITC)?” *Tax Policy Center*, Urban Institute, and Brookings Institution, [www.taxpolicycenter.org/briefing-book/what-earned-income-tax-credit-eitc](http://www.taxpolicycenter.org/briefing-book/what-earned-income-tax-credit-eitc).
- <sup>40</sup> “Earned Income Tax Credit (EITC).” *Internal Revenue Service*, United States Department of the Treasury, 5 Nov. 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit).
- <sup>41</sup> “What are the qualifications for the Earned Income Credit (EIC or EITC)?” *TurboTax*, Intuit Inc., July 2018, [ttlc.intuit.com/questions/1899157-what-are-the-qualifications-for-the-earned-income-credit-eic-or-eitc](http://ttlc.intuit.com/questions/1899157-what-are-the-qualifications-for-the-earned-income-credit-eic-or-eitc).
- <sup>42</sup> “How Do I Claim EITC?” *Internal Revenue Service*, United States Department of the Treasury, 24 July 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/claiming-earned-income-tax-credit-eitc](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/claiming-earned-income-tax-credit-eitc).
- <sup>43</sup> “Do I Qualify for EITC?” *Internal Revenue Service*, United States Department of the Treasury, 20 Oct. 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/do-i-qualify-for-earned-income-tax-credit-eitc](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/do-i-qualify-for-earned-income-tax-credit-eitc).
- <sup>44</sup> “Claiming EITC Without a Qualifying Child.” *Internal Revenue Service*, United States Department of the Treasury, 24 July 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/claiming-eitc-without-a-qualifying-child](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/claiming-eitc-without-a-qualifying-child).
- <sup>45</sup> “Special EITC Rules.” *Internal Revenue Service*, United States Department of the Treasury, 24 July 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/special-eitc-rules](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/special-eitc-rules).
- <sup>46</sup> “Disability and Earned Income Tax Credit.” *Internal Revenue Service*, United States Department of the Treasury, 24 July 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/disability-and-earned-income-tax-credit](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/disability-and-earned-income-tax-credit).
- <sup>47</sup> Miller, G.E. “Earned Income Tax Credit Basics (2018 & 2019).” *20 Something Finance*, 20somethingfinance.com, 25 Nov. 2018, [20somethingfinance.com/earned-income-tax-credit](http://20somethingfinance.com/earned-income-tax-credit).
- <sup>48</sup> “Rules for Claiming a Dependent on Your Tax Return.” *TurboTax*, Intuit Inc., [turbotax.intuit.com/tax-tips/family/rules-for-claiming-a-dependent-on-your-tax-return/L8LODbx94](http://turbotax.intuit.com/tax-tips/family/rules-for-claiming-a-dependent-on-your-tax-return/L8LODbx94).
- <sup>49</sup> “Module 4—Dependents.” *Internal Revenue Service*, United States Department of the Treasury, 13 December 2017, 1:06:55 PM, [www.irs.gov/pub/irs-utl/mod\\_4\\_-\\_tax\\_tutorial.pdf](http://www.irs.gov/pub/irs-utl/mod_4_-_tax_tutorial.pdf).
- <sup>50</sup> “Dependents.” *Internal Revenue Service*, United States Department of the Treasury, [apps.irs.gov/app/vita/content/globalmedia/4491\\_dependency\\_exemptions.pdf](http://apps.irs.gov/app/vita/content/globalmedia/4491_dependency_exemptions.pdf).
- <sup>51</sup> “Who is considered a qualifying dependent?” *ExpressTaxRefund*, RT Software Inc, [www.expresstaxrefund.com/faq/005/dependency/?list=005](http://www.expresstaxrefund.com/faq/005/dependency/?list=005).
- <sup>52</sup> “Earned Income Definition & Example.” *InvestingAnswers*, InvestingAnswers, Inc., [investinganswers.com/financial-dictionary/tax-center/earned-income-2982](http://investinganswers.com/financial-dictionary/tax-center/earned-income-2982).
- <sup>53</sup> “EITC, Earned Income Tax Credit, Questions and Answers.” *Internal Revenue Service*, United States Department of the Treasury, 24 July 2018, [www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/eitc-earned-income-tax-credit-questions-and-answers](http://www.irs.gov/credits-deductions/individuals/earned-income-tax-credit/eitc-earned-income-tax-credit-questions-and-answers).
- <sup>54</sup> “Retirement Savings Contributions Credit (Saver’s Credit).” *Internal Revenue Service*, United States Department of the Treasury, 13 December 2018, [www.irs.gov/retirement-plans/plan-participant-employee/retirement-savings-contributions-savers-credit](http://www.irs.gov/retirement-plans/plan-participant-employee/retirement-savings-contributions-savers-credit).
- <sup>55</sup> Kagen, Julia. “Saver’s Tax Credit” *Investopedia Terms*, Investopedia, LLC, 13 June 2018, [www.investopedia.com/terms/s/saverstaxcredit.asp](http://www.investopedia.com/terms/s/saverstaxcredit.asp).
- <sup>56</sup> O’Shea, Arielle. “How the Saver’s Credit Works.” *Nerdwallet*, Nerdwallet, Inc., 4 Oct. 2018, [www.nerdwallet.com/blog/taxes/can-you-take-the-savers-credit](http://www.nerdwallet.com/blog/taxes/can-you-take-the-savers-credit).
- <sup>57</sup> “Form 8880: Credit for Qualifying Retirement Savings.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/f8880.pdf](http://www.irs.gov/pub/irs-pdf/f8880.pdf).

- <sup>58</sup> “Publication 970: Tax Benefits for Education.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p970.pdf](http://www.irs.gov/pub/irs-pdf/p970.pdf). Tuition and Fees Deduction was extended via the Bipartisan Budget Act of 2018.
- <sup>59</sup> “Form 8917: Tuition and Fees Deduction.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/f8917.pdf](http://www.irs.gov/pub/irs-pdf/f8917.pdf).
- <sup>60</sup> “Tuition and Fees Deduction at a Glance.” *Internal Revenue Service*, United States Department of the Treasury, 12 Mar. 2018, [www.irs.gov/credits-deductions/individuals/tuition-and-fees-deduction-at-a-glance](http://www.irs.gov/credits-deductions/individuals/tuition-and-fees-deduction-at-a-glance).
- <sup>61</sup> “Topic Number 457 - Tuition and Fees Deduction.” *Internal Revenue Service*, United States Department of the Treasury, 13 Feb. 2018, [www.irs.gov/taxtopics/tc457](http://www.irs.gov/taxtopics/tc457).
- <sup>62</sup> Frankel, Matthew, CFP®. “Your 2018 Guide to College Tuition Tax Breaks.” *The Motley Fool*, The Motley Fool, LLC, 17 Mar. 2018, 6:53 AM, [www.fool.com/investing/2018/03/17/your-2018-guide-to-college-tuition-tax-breaks.aspx](http://www.fool.com/investing/2018/03/17/your-2018-guide-to-college-tuition-tax-breaks.aspx).
- <sup>63</sup> “American Opportunity Tax Credit.” *Internal Revenue Service*, United States Department of the Treasury, 24 July 2018, [www.irs.gov/credits-deductions/individuals/aotc](http://www.irs.gov/credits-deductions/individuals/aotc).
- <sup>64</sup> “American Opportunity Tax Credit: Questions and Answers.” *Internal Revenue Service*, United States Department of the Treasury, 10 May 2018, [www.irs.gov/newsroom/american-opportunity-tax-credit-questions-and-answers](http://www.irs.gov/newsroom/american-opportunity-tax-credit-questions-and-answers).
- <sup>65</sup> “Take Advantage of Two Education Tax Credits.” *TurboTax*, Intuit Inc., [turbotax.intuit.com/tax-tips/college-and-education/take-advantage-of-two-education-tax-credits/L7Vi7FQxd](http://turbotax.intuit.com/tax-tips/college-and-education/take-advantage-of-two-education-tax-credits/L7Vi7FQxd).
- <sup>66</sup> Backman, Maurie. “Can I Claim the Lifetime Learning Credit?” *The Motley Fool*, The Motley Fool, LLC, 15 Feb. 2018, 10:18 AM, [www.fool.com/retirement/2017/02/15/can-i-claim-the-lifetime-learning-credit.aspx](http://www.fool.com/retirement/2017/02/15/can-i-claim-the-lifetime-learning-credit.aspx).
- <sup>67</sup> “Lifetime Learning Credit.” *Internal Revenue Service*, United States Department of the Treasury, 15 Nov. 2018, [www.irs.gov/credits-deductions/individuals/lhc](http://www.irs.gov/credits-deductions/individuals/lhc).
- <sup>68</sup> Perez, William. “Learn about the Lifetime Learning Tax Credit.” *This federal tax credit is worth up to \$2,000 per year*, The Balance, 27 Dec. 2018, [www.thebalance.com/lifetime-learning-tax-credit-3192933](http://www.thebalance.com/lifetime-learning-tax-credit-3192933).
- <sup>69</sup> “Form 8863: Education Credits (American Opportunity and Lifetime Learning Credits).” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/f8863.pdf](http://www.irs.gov/pub/irs-pdf/f8863.pdf).
- <sup>70</sup> “Cost of Attendance.” *Harvard College: Griffin Financial Aid Office*, Harvard University, [college.harvard.edu/financial-aid/how-aid-works/cost-attendance](http://college.harvard.edu/financial-aid/how-aid-works/cost-attendance).
- <sup>71</sup> Kantrowitz, Mark. “Don't let a 529 plan penalty stop you from saving for college.” *Savingforcollege*, Saving for College, LLC, 25 May 2018, [www.savingforcollege.com/article/college-savings-penalties](http://www.savingforcollege.com/article/college-savings-penalties).
- <sup>72</sup> “Compound Interest Calculator.” *Moneychimp*, Moneychimp.com, [www.moneychimp.com/calculator/compound\\_interest\\_calculator.htm](http://www.moneychimp.com/calculator/compound_interest_calculator.htm).
- <sup>73</sup> “Average Estimated Undergraduate Budgets, 2018-19.” *Trends in Higher Education*, The College Board, [trends.collegeboard.org/college-pricing/figures-tables/average-estimated-undergraduate-budgets-2018-19](http://trends.collegeboard.org/college-pricing/figures-tables/average-estimated-undergraduate-budgets-2018-19).
- <sup>74</sup> “CPI Inflation Calculator.” *Bureau of Labor Statistics*, United States Department of Labor, [data.bls.gov/cgi-bin/cpicalc.pl](http://data.bls.gov/cgi-bin/cpicalc.pl).
- <sup>75</sup> “Consumer Price Index for All Urban Consumers (CPI-U).” *CPI-U.info*, Rossomeo, LLC, [www.cpi-u.info/What-Is-CPI-U.aspx](http://www.cpi-u.info/What-Is-CPI-U.aspx).
- <sup>76</sup> “The Investigation into the Rising Cost of Textbooks.” *Scholarly Publishing Office*, University of Michigan Library, January 2010, [www.lib.umich.edu/files/SPOTextbookBackground.pdf](http://www.lib.umich.edu/files/SPOTextbookBackground.pdf).
- <sup>77</sup> Grasgreen, Allie. “Options Don't Stem Textbook Woes.” *Inside Higher Ed*, Quad Partners, 28 Jan. 2014, [www.insidehighered.com/news/2014/01/28/textbook-prices-still-crippling-students-report-says](http://www.insidehighered.com/news/2014/01/28/textbook-prices-still-crippling-students-report-says).
- <sup>78</sup> “Higher education bubble in the United States.” *Wikipedia*, the Wikimedia Foundation, Inc., 20 Dec. 2018, 14:02 UTC, [en.wikipedia.org/wiki/Higher\\_education\\_bubble\\_in\\_the\\_United\\_States](http://en.wikipedia.org/wiki/Higher_education_bubble_in_the_United_States).
- <sup>79</sup> “The Education Bubble Keeps Growing. What Can We Do to Prevent a Burst?” *HuffPost News*, Oath Inc., 26 Aug. 2017, [www.huffingtonpost.com/quora/the-education-bubble-keep\\_b\\_11696998.html](http://www.huffingtonpost.com/quora/the-education-bubble-keep_b_11696998.html).
- <sup>80</sup> Simkovic, Michael. “Risk Based Student Loans -- Powerpoint Presentation.” *SSRN*, Elsevier Inc., 15 Apr. 2013, [papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2121096](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2121096). Also see full paper.

## Chapter 9: A Quick Note on Debt

<sup>1</sup> Maverick, J.B. “What is the average annual return for the S&P 500?” *Investopedia Questions and Answers*, Investopedia, LLC, 18 Dec. 2018, [www.investopedia.com/ask/answers/042415/what-average-annual-return-sp-500.asp](http://www.investopedia.com/ask/answers/042415/what-average-annual-return-sp-500.asp).

<sup>2</sup> Amadeo, Kimberly. “How Interest Rates Are Determined.” *Who Decides?*, The Balance, 1 Dec. 2018, [www.thebalance.com/how-are-interest-rates-determined-3306110](http://www.thebalance.com/how-are-interest-rates-determined-3306110).

<sup>3</sup> “Interest Rates on Student Loans.” *Debt.org*, ClayRun LLC, [www.debt.org/students/financial-aid-process/interest-rates](http://www.debt.org/students/financial-aid-process/interest-rates).

- <sup>4</sup> “Historical Credit Card Interest Rates, Nominal and Inflation-Adjusted.” *Nerdwallet*, Nerdwallet, Inc., 11 Apr. 2017, [www.nerdwallet.com/blog/credit-card-data/historical-credit-card-interest-rates](http://www.nerdwallet.com/blog/credit-card-data/historical-credit-card-interest-rates).
- <sup>5</sup> Dilworth, Kelly. “Credit card interest rates chart.” *CreditCards.com*, CreditCards.com, LLC, 19 Dec. 2018, [www.creditcards.com/credit-card-news/historic-credit-card-interest-rate-chart.php](http://www.creditcards.com/credit-card-news/historic-credit-card-interest-rate-chart.php).
- <sup>6</sup> “30 Year Fixed Mortgage Rate - Historical Chart.” *Macrotrends*, Macrotrends LLC, Dec. 2018, [www.macrotrends.net/2604/30-year-fixed-mortgage-rate-chart](http://www.macrotrends.net/2604/30-year-fixed-mortgage-rate-chart).
- <sup>7</sup> “Historical Mortgage Rates: Averages and Trends from the 1970s to 2017.” *ValuePenguin*, ValuePenguin Inc., [www.valuepenguin.com/mortgages/historical-mortgage-rates](http://www.valuepenguin.com/mortgages/historical-mortgage-rates).
- <sup>8</sup> Kiernan, John S. “Q3 2018 Auto Financing Report.” *Wallet Hub*, Evolution Finance, Inc., 29 Aug. 2018, [wallethub.com/edu/auto-financing-report/10131](http://wallethub.com/edu/auto-financing-report/10131).
- <sup>9</sup> “Interest rates on auto loans in the United States from November 2016 to November 2018.” *Statista*, Ströer Content Group GmbH, [www.statista.com/statistics/290673/auto-loan-rates-usa](http://www.statista.com/statistics/290673/auto-loan-rates-usa).
- <sup>10</sup> “Average Auto Loan Interest Rates: 2019 Facts & Figures.” *ValuePenguin*, ValuePenguin Inc., [www.valuepenguin.com/auto-loans/average-auto-loan-interest-rates](http://www.valuepenguin.com/auto-loans/average-auto-loan-interest-rates).
- <sup>11</sup> “Average Personal Loan Interest Rates for 2019.” *ValuePenguin*, ValuePenguin Inc., [www.valuepenguin.com/personal-loans/average-personal-loan-interest-rates](http://www.valuepenguin.com/personal-loans/average-personal-loan-interest-rates).
- <sup>12</sup> “Personal Loans: Estimated offers for \$5,000.” *Nerdwallet*, Nerdwallet Inc., [www.nerdwallet.com/personal-loans](http://www.nerdwallet.com/personal-loans).
- <sup>13</sup> Ashton, Valerie. “See Interest Rates Over the Last 100 Years.” *Find out how history affects today's rates and what it means for you*, GoBankingRates, [www.gobankingrates.com/banking/interest-rates/see-interest-rates-last-100-years](http://www.gobankingrates.com/banking/interest-rates/see-interest-rates-last-100-years).
- <sup>14</sup> “Compound Interest Calculator.” *Moneychimp*, Moneychimp.com, [www.moneychimp.com/calculator/compound\\_interest\\_calculator.htm](http://www.moneychimp.com/calculator/compound_interest_calculator.htm).
- <sup>15</sup> Stephan, Graham. “I’m over \$1 MILLION in Debt (Lessons of Leverage in Business and Real Estate).” *YouTube*, YouTube, LLC, 7 Mar. 2018, [www.youtube.com/watch?v=I3jIFZ4XMUo](http://www.youtube.com/watch?v=I3jIFZ4XMUo).
- <sup>16</sup> “Brokerage Firms Margin Rates” *TopRatedFirms*, TopRatedFirms.com, [topratedfirms.com/brokers/fees/margin-rates-major-brokerages.aspx](http://topratedfirms.com/brokers/fees/margin-rates-major-brokerages.aspx).

## Chapter 10: Discovering the Stock Market

- <sup>1</sup> “How linked brokerage accounts work with Yahoo Finance.” *Yahoo! Help*, Yahoo! Finance and TradeIt, Inc., [help.yahoo.com/kb/finance-app-for-ios/sln28346.html#cont2](http://help.yahoo.com/kb/finance-app-for-ios/sln28346.html#cont2).
- <sup>2</sup> “NKE.” *Summary for Nike, Inc.*, Yahoo! Finance, [finance.yahoo.com/quote/NKE](http://finance.yahoo.com/quote/NKE).
- <sup>3</sup> Chen, James. “Stock Symbol (Ticker).” *Investopedia Terms*, Investopedia, LLC, 2 Oct. 2018, [www.investopedia.com/terms/s/stocksymbol.asp](http://www.investopedia.com/terms/s/stocksymbol.asp).
- <sup>4</sup> “CPB.” *Summary for Campbell Soup Company*, Yahoo! Finance, [finance.yahoo.com/quote/CPB](http://finance.yahoo.com/quote/CPB).
- <sup>5</sup> O’Daniel, Peter. “The Last Traded Price is Not the market Price.” *Futures Blog*, Daniels Trading, 27 Feb. 2014, [www.danielstrading.com/2014/02/27/the-last-traded-price-is-not-the-market-price](http://www.danielstrading.com/2014/02/27/the-last-traded-price-is-not-the-market-price).
- <sup>6</sup> Nagy, Chris and Rotblut, Charles, CFA®. “How Your Buy and Sell Orders Get Filled.” *AaII*, American Association of Individual Investors, [www.aaai.com/journal/article/how-your-buy-and-sell-orders-get-filled.touch](http://www.aaai.com/journal/article/how-your-buy-and-sell-orders-get-filled.touch).
- <sup>7</sup> “Market Calendar & Trading Hours.” *NASDAQ.com*, NASDAQ, Inc., [business.nasdaq.com/discover/events/trading-hours/index.html](http://business.nasdaq.com/discover/events/trading-hours/index.html).
- <sup>8</sup> Investor, Fidelity Active. “Extended-hours trading.” *Fidelity Viewpoints*, FMR LLC, 21 Nov. 2017, [www.fidelity.com/viewpoints/active-investor/extended-hours-trading](http://www.fidelity.com/viewpoints/active-investor/extended-hours-trading).
- <sup>9</sup> Kenton, Will. “Opening Bell.” *Investopedia Terms*, Investopedia, LLC 15 Mar. 2018, [www.investopedia.com/terms/o/openingbell.asp](http://www.investopedia.com/terms/o/openingbell.asp).
- <sup>10</sup> Wolff, Ken. “What the Premarket Can Tell You.” *TheStreet*, TheStreet, Inc., 17 July 2000, 1:33 PM EDT, [www.thestreet.com/story/1003266/1/what-the-premarket-can-tell-you.html](http://www.thestreet.com/story/1003266/1/what-the-premarket-can-tell-you.html).
- <sup>11</sup> “Public Companies.” *Investor.gov*, U.S. Securities and Exchange Commission, [www.investor.gov/introduction-investing/basics/how-market-works/public-companies](http://www.investor.gov/introduction-investing/basics/how-market-works/public-companies).
- <sup>12</sup> “GE Annual Report 2017.” *GE Investor Relations*, General Electric Company, 23 Feb. 2018, [www.ge.com/investor-relations/sites/default/files/GE\\_AR17.pdf](http://www.ge.com/investor-relations/sites/default/files/GE_AR17.pdf).
- <sup>13</sup> “Beginners’ Guide to Financial Statement.” *SEC Investor Publications*, U.S. Securities and Exchange Commission, 5 Feb. 2007, [www.sec.gov/reportspubs/investor-publications/investorpubsbegfinstmtguidehtm.html](http://www.sec.gov/reportspubs/investor-publications/investorpubsbegfinstmtguidehtm.html).

## Chapter 11: Reading Stock Charts

- <sup>1</sup> “HD Interactive Chart.” *Home Depot, Inc. (The) Stock*, Yahoo! Finance, [finance.yahoo.com/quote/HD/chart](http://finance.yahoo.com/quote/HD/chart).
- <sup>2</sup> “Reading Colors in Stock Charts – Green and Red Explained.” *StockMarketEye*, TransparenTech LLC, 11 Sept. 2014, [www.stockmarketeye.com/blog/reading-colors-in-stock-charts-green-and-red-explained](http://www.stockmarketeye.com/blog/reading-colors-in-stock-charts-green-and-red-explained).

- <sup>3</sup> Reinkensmeyer, Blain. "Volume and its Meaning." *StockTrader.com*, Reink Media Group LLC, 16 June 2011, [www.stocktrader.com/2006/03/21/volume-and-its-meaning](http://www.stocktrader.com/2006/03/21/volume-and-its-meaning).
- <sup>4</sup> "GSPC Interactive Stock Chart." *S&P 500 Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^GSPC](http://finance.yahoo.com/chart/^GSPC).
- <sup>5</sup> Engineer, The Investing. "The 'Past Performance' Contradiction." *Seeking Alpha*, Seeking Alpha Ltd., 26 Oct. 2012, 3:22 PM ET, [seekingalpha.com/article/955361-the-past-performance-contradiction](http://seekingalpha.com/article/955361-the-past-performance-contradiction).
- <sup>6</sup> "Introduction to Candlesticks." *StockCharts*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc, [stockcharts.com/school/doku.php?id=chart\\_school:chart\\_analysis:introduction\\_to\\_candlesticks](http://stockcharts.com/school/doku.php?id=chart_school:chart_analysis:introduction_to_candlesticks).

## Chapter 12: Bulls, Bears, and Shares

- <sup>1</sup> "GSPC Interactive Stock Chart." *S&P 500 Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^GSPC](http://finance.yahoo.com/chart/^GSPC).
- <sup>2</sup> Town, Phil. "What's the Difference Between a Bull & Bear Market?" *Rule #1 Finance Blog*, Rule #1 Investing, LLC., [www.ruleoneinvesting.com/blog/stock-market-basics/whats-the-difference-between-a-bull-and-bear-market](http://www.ruleoneinvesting.com/blog/stock-market-basics/whats-the-difference-between-a-bull-and-bear-market).
- <sup>3</sup> Moore, Simon. "Busting The Myth Of Market Timing." *Forbes Magazine*, Forbes Media LLC, 7 Mar. 2016, 5:02 PM, [www.forbes.com/sites/simonmoore/2016/03/07/the-myth-of-market-timing](http://www.forbes.com/sites/simonmoore/2016/03/07/the-myth-of-market-timing).
- <sup>4</sup> Wooten, John. "Stock Lecture Tuesdays 5: Fundamentals for Spreading Money out to Minimize Risk (Diversification)." *YouTube*, YouTube, LLC, 23 May 2018, [www.youtube.com/watch?v=GkzlqxYmRIA](http://www.youtube.com/watch?v=GkzlqxYmRIA).
- <sup>5</sup> "ALK." *Summary for Alaska Air Group, Inc.*, Yahoo! Finance, [finance.yahoo.com/quote/ALK](http://finance.yahoo.com/quote/ALK). Scroll down for news.
- <sup>6</sup> "Events & Presentations." *NVIDIA*, NVIDIA Corporation, [investor.nvidia.com/events-and-presentations/events-and-presentations/default.aspx](http://investor.nvidia.com/events-and-presentations/events-and-presentations/default.aspx).
- <sup>7</sup> Chen, James. "Annual General Meeting - AGM." *Investopedia Terms*, Investopedia, LLC, 28 Mar. 2018, [www.investopedia.com/terms/a/agm.asp](http://www.investopedia.com/terms/a/agm.asp).

## Chapter 13: News and Principles

- <sup>1</sup> "What Causes Stock Prices to Change?" *Desjardins*, Desjardins Securities Inc., [www.disnat.com/en/learning/trading-basics/stock-basics/what-causes-stock-prices-to-change](http://www.disnat.com/en/learning/trading-basics/stock-basics/what-causes-stock-prices-to-change).
- <sup>2</sup> "ALK." *Summary for Alaska Air Group, Inc.*, Yahoo! Finance, [finance.yahoo.com/quote/ALK](http://finance.yahoo.com/quote/ALK). Scroll down for news.
- <sup>3</sup> McParlane, Phil. "How to 'trade the news:' a comprehensive overview (2018)." *Scoop Markets*, A Medium Corporation and the Obvious Corporation, [medium.com/scoop-markets/how-to-trade-the-news-the-ultimate-guide-2018-5b8c3b371249](http://medium.com/scoop-markets/how-to-trade-the-news-the-ultimate-guide-2018-5b8c3b371249).
- <sup>4</sup> Trading, Warrior. "Learn How to Day Trade Gappers and Gaps." *YouTube*, YouTube, LLC, 12 Jan. 2014, [www.youtube.com/watch?v=VNsh-8cS2Tg](http://www.youtube.com/watch?v=VNsh-8cS2Tg).
- <sup>5</sup> Blodget, Henry. "People Who Predict Stock-Market Crashes In Bull Markets Always Look Like Idiots... Until The Market Crashes." *Business Insider*, Insider Inc., 7 Oct. 2014, 9:21 AM, [www.businessinsider.com/people-who-predict-stock-market-crashes-2014-10](http://www.businessinsider.com/people-who-predict-stock-market-crashes-2014-10).
- <sup>6</sup> "The Big Short (2015)." *IMDb*, IMDb.com Inc., an Amazon company, 23 Dec. 2015, [www.imdb.com/title/tt1596363](http://www.imdb.com/title/tt1596363).
- <sup>7</sup> "Yahoo Finance: Real-Time Stocks & Investing News." *Google Play*, Alphabet Inc., [play.google.com/store/apps/details?id=com.yahoo.mobile.client.android.finance](http://play.google.com/store/apps/details?id=com.yahoo.mobile.client.android.finance).
- <sup>8</sup> Wooten, John. "A Normal Morning for a Day Trader." *YouTube*, YouTube, LLC, 10 July 2018, [www.youtube.com/watch?v=V6t9oRUrjPs](http://www.youtube.com/watch?v=V6t9oRUrjPs).
- <sup>9</sup> "Alan Greenspan on 'Irrational Exuberance.'" *C-Span*, National Cable Satellite Corporation, 5 Dec. 1996 (Clipped 13 June 2017), [www.c-span.org/video/?c4673464/alan-greenspan-irrational-exuberance](http://www.c-span.org/video/?c4673464/alan-greenspan-irrational-exuberance).
- <sup>10</sup> "Irrational Exuberance Quote." *C-Span*, National Cable Satellite Corporation, 5 Dec. 1996 (Clipped 17 Nov. 2017), [www.c-span.org/video/?c4761340/irrational-exuberance-quote](http://www.c-span.org/video/?c4761340/irrational-exuberance-quote).
- <sup>11</sup> "U.S. Monetary Policy" *C-Span*, National Cable Satellite Corporation, 5 Dec. 1996, [www.c-span.org/video/?777171-1/us-monetary-policy](http://www.c-span.org/video/?777171-1/us-monetary-policy).
- <sup>12</sup> "IXIC Interactive Stock Chart." *NASDAQ Composite Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^IXIC](http://finance.yahoo.com/chart/^IXIC).

## Chapter 14: Selling Short

- <sup>1</sup> Wooten, John. “Technical Analysis Wednesdays 1: Charts—the Gateway to Technical Analysis (Introduction to Charts).” *YouTube*, YouTube, LLC, 26 Apr. 2018, [www.youtube.com/watch?v=4-6qVWY-evQ&t=2s](http://www.youtube.com/watch?v=4-6qVWY-evQ&t=2s).
- <sup>2</sup> Caplinger, Dan. “How to Short a Stock.” *The Motley Fool*, The Motley Fool, LLC, 19 June 2016, 2:40 PM, [www.fool.com/investing/2016/06/19/how-to-short-a-stock.aspx](http://www.fool.com/investing/2016/06/19/how-to-short-a-stock.aspx).
- <sup>3</sup> “How do I sell a stock short?” *Interactive Brokers*, Interactive Brokers LLC, [ibkr.info/node/232](http://ibkr.info/node/232).
- <sup>4</sup> Langager, Chad. “Why do you need a margin account to short sell stocks?” *Investopedia Questions and Answers*, Investopedia, LLC, 20 Dec. 2018, [www.investopedia.com/ask/answers/05/marginaccountshortsell.asp](http://www.investopedia.com/ask/answers/05/marginaccountshortsell.asp).
- <sup>5</sup> Langager, Chad. “When short selling a stock, how long does a short seller have before covering?” *Investopedia Questions and Answers*, Investopedia, LLC, 23 Feb. 2018, [www.investopedia.com/ask/answers/05/shortsaleclosed.asp](http://www.investopedia.com/ask/answers/05/shortsaleclosed.asp).

## Chapter 15: Breaking Down Key Statistics

- <sup>1</sup> “IBM.” *Summary for International Business Machines*, Yahoo! Finance, [finance.yahoo.com/quote/IBM](http://finance.yahoo.com/quote/IBM).
- <sup>2</sup> Wooten, John. “Stock Lecture Tuesdays 2: From P/Es to Betas—Basic Stock Statistics (Key Statistics Breakdown).” *YouTube*, YouTube, LLC, 2 May 2018, [www.youtube.com/watch?v=tt0dTV0Ro-8](http://www.youtube.com/watch?v=tt0dTV0Ro-8).
- <sup>3</sup> “A Simple Day Trading Strategy For Beginners: Gap and Go!” *Warrior Trading*, Warrior Trading, Inc, [www.warriortrading.com/gap-go](http://www.warriortrading.com/gap-go).
- <sup>4</sup> Hansen, Toni and Bourquin, Tim. “Watching Top Gainers and Losers to Find Profitable Trades.” *MoneyShow*, MoneyShow.com LLC, 12 Nov. 2009, 2:00 PM EST, [www.moneyshow.com/articles/fxbiweekly08-18212](http://www.moneyshow.com/articles/fxbiweekly08-18212).
- <sup>5</sup> Curtis, Glenn. “The Basics Of The Bid-Ask Spread.” *Yahoo! News*, Yahoo! Finance, 19 Aug. 2013, [finance.yahoo.com/news/basics-bid-ask-spread-160000412.html](http://finance.yahoo.com/news/basics-bid-ask-spread-160000412.html).
- <sup>6</sup> Chen, James. “Level 2.” *Investopedia Terms*, Investopedia, LLC, 26 July 2018, [www.investopedia.com/terms/l/level2.asp](http://www.investopedia.com/terms/l/level2.asp).
- <sup>7</sup> Kenton, Will. “Order Book.” *Investopedia Terms*, Investopedia, LLC, 1 Apr. 2018, [www.investopedia.com/terms/o/order-book.asp](http://www.investopedia.com/terms/o/order-book.asp).
- <sup>8</sup> DataDash. “Trading Tip #7: How To Use The Order Book.” *YouTube*, YouTube, LLC, 26 Sept. 2017, [www.youtube.com/watch?v=TnHY0VVPIM](http://www.youtube.com/watch?v=TnHY0VVPIM).
- <sup>9</sup> Lesicar, Walter. “Order Book Basics.” *trading ot win*, Publii, 7 Feb. 2018, 11:09:10, [ttwatrader.netlify.com/order-book-basics](http://ttwatrader.netlify.com/order-book-basics).
- <sup>10</sup> “National Best Bid and Offer (NBBO).” *Investing Answers*, InvestingAnswers, Inc., [investinganswers.com/financial-dictionary/stock-market/national-best-bid-and-offer-nbbo-5838](http://investinganswers.com/financial-dictionary/stock-market/national-best-bid-and-offer-nbbo-5838).
- <sup>11</sup> “Exchanges and data providers on Yahoo Finance.” *Yahoo! Help*, Yahoo! Finance, [help.yahoo.com/kb/finance-for-web/SLN2310.html](http://help.yahoo.com/kb/finance-for-web/SLN2310.html).
- <sup>12</sup> “Level 2 Quotes: An In-Depth Guide for Stock Market Traders.” *Timothy Sykes Blog*, Millionaire Media LLC, 19 Dec. 2018, [www.timothysykes.com/blog/level-2-quotes-definition-introduction](http://www.timothysykes.com/blog/level-2-quotes-definition-introduction).
- <sup>13</sup> News, Nugget's. “Buy/Sell Walls and Order Books - What You Need To Know.” *YouTube*, YouTube, LLC, 11 Oct. 2017, [www.youtube.com/watch?v=LSkEWrCT-eo](http://www.youtube.com/watch?v=LSkEWrCT-eo).
- <sup>14</sup> Kenton, Will. “Bid-Ask Spread.” *Investopedia Terms*, Investopedia, LLC, 25 Apr. 2018, [www.investopedia.com/terms/b/bid-askspread.asp](http://www.investopedia.com/terms/b/bid-askspread.asp).
- <sup>15</sup> Divine, John. “Penny Stocks: 5 Ways to Spot a Pump-and-Dump Scam.” *U.S. News & World Report*, U.S. News & World Report L.P., 8 Mar. 2018, [money.usnews.com/investing/stock-market-news/articles/2018-03-08/penny-stocks-5-ways-to-spot-a-pump-and-dump-scam](http://money.usnews.com/investing/stock-market-news/articles/2018-03-08/penny-stocks-5-ways-to-spot-a-pump-and-dump-scam).
- <sup>16</sup> “SEC and FINRA Warn Investors About Penny Stock Scams Hying Dormant Shell Companies.” *SEC Press Release*, U.S. Securities and Exchange Commission, 30 Oct. 2014, [www.sec.gov/news/press-release/2014-243](http://www.sec.gov/news/press-release/2014-243).
- <sup>17</sup> Gallant, Chris. “Why are the bid and ask quotes usually so far away from each other in after-hours trading?” *Investopedia Questions and Answers*, Investopedia, LLC, 30 Mar. 2018, [www.investopedia.com/ask/answers/06/afterhoursbidandask.asp](http://www.investopedia.com/ask/answers/06/afterhoursbidandask.asp).
- <sup>18</sup> “Side.” *GainFutures.com*, GAIN Capital Holdings Inc., [gainfutures.com/userguide/trader/Trading/DOM/Side.htm](http://gainfutures.com/userguide/trader/Trading/DOM/Side.htm).
- <sup>19</sup> Bogdan, Siniša; Bareša, Suzana; and Ivanovic, Saša. “Measuring Liquidity on Stock Market: Impact on Liquidity Ratio.” *Tourism and Hospitality Management*, University of Zagreb, [hrcak.srce.hr/file/138302](http://hrcak.srce.hr/file/138302).
- <sup>20</sup> Saito-Chung, David. “Making Money In Stocks: How To Find The Correct Buy Point.” *Investor's Corner*, Investor's Business Daily, Inc., 7 Nov. 2018, [www.investors.com/how-to-invest/investors-corner/chart-reading-basics-how-a-buy-point-marks-a-time-of-opportunity](http://www.investors.com/how-to-invest/investors-corner/chart-reading-basics-how-a-buy-point-marks-a-time-of-opportunity).
- <sup>21</sup> Gondo, Nancy. “How Much Daily Volume Should You Look For In A Great Stock?” *Investor's Corner*, Investor's Business Daily, Inc., 16 Oct. 2018, [www.investors.com/how-to-invest/investors-corner/how-much-volume-should-a-stock-have](http://www.investors.com/how-to-invest/investors-corner/how-much-volume-should-a-stock-have).

- <sup>22</sup> Wooten, John. "Technical Analysis Wednesdays 1: Charts—the Gateway to Technical Analysis (Introduction to Charts)." *YouTube*, YouTube, LLC, 26 Apr. 2018, [www.youtube.com/watch?v=4-6qVWy-evQ&t=2s](http://www.youtube.com/watch?v=4-6qVWy-evQ&t=2s).
- <sup>23</sup> "Volume Spikes and Dips." *Incredible Charts*, Incredible Charts Pty Ltd. [www.incrediblecharts.com/technical/volume\\_spikes.php](http://www.incrediblecharts.com/technical/volume_spikes.php).
- <sup>24</sup> "TTT.AX." *Titomic Limited Interactive Stock Chart*, Yahoo! Finance, [finance.yahoo.com/chart/TTT.AX](http://finance.yahoo.com/chart/TTT.AX).
- <sup>25</sup> Chen, James. "Market Capitalization." *Investopedia Terms*, Investopedia, LLC, 10 Dec. 2018, [www.investopedia.com/terms/m/marketcapitalization.asp](http://www.investopedia.com/terms/m/marketcapitalization.asp).
- <sup>26</sup> "Market cap calculation for stocks with dual share structure." *GuruFocus*, GuruFocus.com, LLC, 11 June 2011, [www.gurufocus.com/news/136968/market-cap-calculation-for-stocks-with-dual-share-structure](http://www.gurufocus.com/news/136968/market-cap-calculation-for-stocks-with-dual-share-structure).
- <sup>27</sup> Chen, James. "Class Of Shares." *Investopedia Terms*, Investopedia, LLC, [www.investopedia.com/terms/c/class.asp](http://www.investopedia.com/terms/c/class.asp).
- <sup>28</sup> "Market capitalization: large-cap, mid-cap, and small-cap stocks." *Financial Engines*, Edelman Financial Engines, LLC, [financialengines.com/education-center/small-large-mid-caps-market-capitalization](http://financialengines.com/education-center/small-large-mid-caps-market-capitalization).
- <sup>29</sup> Nakhoul, Walid. "How does Yahoo Finance calculate beta values?" *Quora*, Quora, Inc., 25 May 2018, [www.quora.com/How-does-Yahoo-Finance-calculate-beta-values](http://www.quora.com/How-does-Yahoo-Finance-calculate-beta-values).
- <sup>30</sup> "Why is my beta different from yahoo finance?" *Stack Overflow*, Stack Exchange Inc, Feb. 2015, [stackoverflow.com/questions/28351139/why-is-my-beta-different-from-yahoo-finance](http://stackoverflow.com/questions/28351139/why-is-my-beta-different-from-yahoo-finance).
- <sup>31</sup> "How does Yahoo finance calculate Beta?" *Stack Exchange*, Stack Exchange Inc, December 2014, [quant.stackexchange.com/questions/15797/how-does-yahoo-finance-calculate-beta](http://quant.stackexchange.com/questions/15797/how-does-yahoo-finance-calculate-beta).
- <sup>32</sup> "Investing Education: Beta." *Yahoo! News*, Yahoo! Finance, 28 Aug. 2014, [finance.yahoo.com/news/investing-education--beta-190529416.html](http://finance.yahoo.com/news/investing-education--beta-190529416.html).
- <sup>33</sup> McNulty, Daniel. "Bettering your portfolio with alpha and beta." *Investopedia Articles*, Investopedia, LLC, 30 Apr. 2018, [www.investopedia.com/articles/07/alphabeta.asp](http://www.investopedia.com/articles/07/alphabeta.asp).
- <sup>34</sup> Ro, Sam. "You're probably using P/E ratios incorrectly." *Yahoo! News*, Yahoo! Finance, 18 July 2018, [finance.yahoo.com/news/pe-valuation-vs-cpi-000000837.html](http://finance.yahoo.com/news/pe-valuation-vs-cpi-000000837.html).
- <sup>35</sup> Shiller, Robert. "S&P 500 PE Ratio." *multpl*, Irrational Exuberance, 31 Dec. 2018, [www.multpl.com](http://www.multpl.com).
- <sup>36</sup> "Investing Education: Earnings Per Share (TTM)." *Yahoo! News*, Yahoo! Finance, 1 Oct. 2014, [finance.yahoo.com/news/investing-education--earnings-per-share--ttm-142540641.html](http://finance.yahoo.com/news/investing-education--earnings-per-share--ttm-142540641.html).
- <sup>37</sup> "Price Earnings Ratio." *Corporate Finance Institute*, CFI Education Inc., [corporatefinanceinstitute.com/resources/knowledge/valuation/price-earnings-ratio](http://corporatefinanceinstitute.com/resources/knowledge/valuation/price-earnings-ratio).
- <sup>38</sup> Kenton, Will. "Generally Accepted Accounting Principles - GAAP." *Investopedia Terms*, Investopedia, LLC, 2 Nov. 2018, [www.investopedia.com/terms/g/gaap.asp](http://www.investopedia.com/terms/g/gaap.asp).
- <sup>39</sup> "SWK Financials." *Stanley Black & Decker, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/quote/SWK/financials](http://finance.yahoo.com/quote/SWK/financials).
- <sup>40</sup> Bragg, Steven, CFA®. "Book value." *AccountingTools*, AccountingTools, Inc., 3 Nov. 2017, [www.accountingtools.com/articles/what-is-book-value.html](http://www.accountingtools.com/articles/what-is-book-value.html).
- <sup>41</sup> Shiller, Robert. "S&P 500 Book Value Per Share." *multpl*, Irrational Exuberance, June 2018, [www.multpl.com/s-p-500-book-value](http://www.multpl.com/s-p-500-book-value).
- <sup>42</sup> "Understanding the Cash Flow Statement." *ABC-Amega*, ABC-Amega, Inc., May 2010, [www.abc-amega.com/articles/credit-management/understanding-the-cash-flow-statement](http://www.abc-amega.com/articles/credit-management/understanding-the-cash-flow-statement).
- <sup>43</sup> Troy. "Don't Trade Earnings Reports." *Bull Markets*, Fundamental Capital, 8 Mar. 2018, [bullmarkets.co/dont-trade-earnings-reports](http://bullmarkets.co/dont-trade-earnings-reports).
- <sup>44</sup> "Earnings Calendar." *Showing Earnings for: AAPL*, Yahoo! Finance, [finance.yahoo.com/calendar/earnings?symbol=AAPL](http://finance.yahoo.com/calendar/earnings?symbol=AAPL).
- <sup>45</sup> "How are dividends released?" *Australian Securities Exchange*, ASX Limited, [www.asx.com.au/prices/dividends.htm](http://www.asx.com.au/prices/dividends.htm).
- <sup>46</sup> Langer, Chad. "Why Would a Company Drastically Cut Its Dividend?" *Investopedia Questions and Answers*, Investopedia, LLC, 6 Apr. 2018, [www.investopedia.com/ask/answers/06/dividendpaymentcut.asp](http://www.investopedia.com/ask/answers/06/dividendpaymentcut.asp).
- <sup>47</sup> "NVDA Interactive Stock Chart." *NVIDIA Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/NVDA](http://finance.yahoo.com/chart/NVDA).
- <sup>48</sup> "RACE Statistics." *Ferrari N.V. Stock*, Yahoo! Finance, 31 Dec. 2018, [finance.yahoo.com/quote/RACE/key-statistics?p=RACE](http://finance.yahoo.com/quote/RACE/key-statistics?p=RACE).
- <sup>49</sup> "Dividend Payout Ratio" *Corporate Finance Institute*, CFI Education Inc., [corporatefinanceinstitute.com/resources/knowledge/finance/dividend-payout-ratio-formula](http://corporatefinanceinstitute.com/resources/knowledge/finance/dividend-payout-ratio-formula).
- <sup>50</sup> "Topic Number 404 - Dividends." *Internal Revenue Service*, United States Department of the Treasury, 13 Mar. 2018, [www.irs.gov/taxtopics/tc404](http://www.irs.gov/taxtopics/tc404).
- <sup>51</sup> "Qualified dividends." *Fidelity Tax Information*, FMR LLC, [www.fidelity.com/tax-information/tax-topics/qualified-dividends](http://www.fidelity.com/tax-information/tax-topics/qualified-dividends).
- <sup>52</sup> "What Is the Difference Between Qualified Dividends and Ordinary Dividends?" *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/knowledge-center/qualified-dividends-vs-ordinary-dividends.aspx](http://www.fool.com/knowledge-center/qualified-dividends-vs-ordinary-dividends.aspx).
- <sup>53</sup> "Publication 550: Investment Income and Expenses (Including Capital Gains and Losses)." *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/p550.pdf](http://www.irs.gov/pub/irs-pdf/p550.pdf).
- <sup>54</sup> El-Sibaie, Amir. "2019 Tax Brackets." *Tax Brackets and Rates*, Tax Foundation, [taxfoundation.org/2018-tax-brackets](http://taxfoundation.org/2018-tax-brackets).
- <sup>55</sup> O'Bannon, Isaac M. "IRS Income Tax Rates and Brackets for 2017." *CPA Practice Advisor*, Endeavor Business Media, LLC, [www.cpapracticeadvisor.com/news/12281147/irs-income-tax-rates-and-brackets-for-2017](http://www.cpapracticeadvisor.com/news/12281147/irs-income-tax-rates-and-brackets-for-2017).
- <sup>56</sup> Edspira. "Preferred Stock (Characteristics and Features)." *YouTube*, YouTube, LLC, 3 Sept. 2014, [www.youtube.com/watch?v=xwwwpie6NX8](http://www.youtube.com/watch?v=xwwwpie6NX8).

<sup>57</sup> Frankel, Matthew, CFP. “Your 2018 Guide to Dividend Taxes.” *The Motley Fool*, The Motley Fool, LLC, 18 June 2018, 7:11 AM, [www.fool.com/investing/2018/06/18/your-2018-guide-to-dividend-taxes.aspx](http://www.fool.com/investing/2018/06/18/your-2018-guide-to-dividend-taxes.aspx).

<sup>58</sup> “Form 8960: Net Investment income Tax—Individuals, Estates, and Trusts.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/f8960.pdf](http://www.irs.gov/pub/irs-pdf/f8960.pdf).

<sup>59</sup> “TOPS.” *Summary for TOP Ships Inc.*, Yahoo! Finance, [finance.yahoo.com/quote/TOPS](http://finance.yahoo.com/quote/TOPS).

<sup>60</sup> “Highest Yield Dividend Stocks.” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/dividend-stocks](http://www.nasdaq.com/dividend-stocks).

<sup>61</sup> Heinzl, John. “What every investor should know about analysts’ price targets.” *Investor Education*, The Globe and Mail Inc, 3 May 2018, [www.theglobeandmail.com/globe-investor/investor-education/what-every-investor-should-know-about-analysts-price-targets/article627565](http://www.theglobeandmail.com/globe-investor/investor-education/what-every-investor-should-know-about-analysts-price-targets/article627565).

<sup>62</sup> Dier-Scalise, Chris. “How To Use Analyst Price Targets To Inform Your Trades.” *Yahoo! News*, Yahoo! Finance, 30 Aug. 2017, [finance.yahoo.com/news/analyst-price-targets-inform-trades-152400265.html](http://finance.yahoo.com/news/analyst-price-targets-inform-trades-152400265.html).

<sup>63</sup> “TGT Analysis and Estimates” *Target Corporation Stock*, Yahoo! Finance, 1 Jan. 2019, [finance.yahoo.com/quote/TGT/analysis?p=TGT](http://finance.yahoo.com/quote/TGT/analysis?p=TGT).

## Chapter 16: Long-Term Low-Management Investing

<sup>1</sup> Reiss, Dawn. “What You Should Know About 3 Major U.S. Indexes.” *U.S. News & World Report*, U.S. News & World Report L.P., 31 May 2017, [money.usnews.com/investing/articles/2017-05-31/what-you-should-know-about-3-major-us-indexes](http://money.usnews.com/investing/articles/2017-05-31/what-you-should-know-about-3-major-us-indexes).

<sup>2</sup> Robinson, Paul. “Difference between Dow, Nasdaq, and S&P 500: Major Facts & Opportunities.” *DailyFX*, IG Markets Limited and IG Index Limited, [www.dailyfx.com/sp-500/differences-between-dow-nasdaq-and-sp-500.html](http://www.dailyfx.com/sp-500/differences-between-dow-nasdaq-and-sp-500.html).

<sup>3</sup> “Equal Weighted Index Funds: The Pros and Cons and Which to Pick.” *Lyn Alden*, WordPress.org, [www.lynalden.com/equal-weighted-index-funds](http://www.lynalden.com/equal-weighted-index-funds).

<sup>4</sup> “^GSPC Interactive Stock Chart.” *S&P 500 Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^GSPC](http://finance.yahoo.com/chart/^GSPC).

<sup>5</sup> “RSP Interactive Stock Chart.” *Invesco S&P 500 Equal Weight ETF Stock*, Yahoo! Finance, [finance.yahoo.com/chart/RSP](http://finance.yahoo.com/chart/RSP).

<sup>6</sup> “S&P 500®.” *S&P Dow Jones Indices*, S&P Global Inc., [us.spindices.com/indices/equity/sp-500](http://us.spindices.com/indices/equity/sp-500).

<sup>7</sup> “Dow Jones Industrial Average®.” *S&P Dow Jones Indices*, S&P Global Inc., [us.spindices.com/indices/equity/dow-jones-industrial-average](http://us.spindices.com/indices/equity/dow-jones-industrial-average).

<sup>8</sup> “Dow Jones Industrial Average First Published.” *This Month in Business History*, The Library of Congress, April 2017, [www.loc.gov/rr/business/businesshistory/May/djia.html](http://www.loc.gov/rr/business/businesshistory/May/djia.html).

<sup>9</sup> Segal, Troy. “DJIA 101: How Does the Dow Jones Work?” *Investopedia Investing Strategy*, Investopedia, LLC, 6 Apr. 2018, [www.investopedia.com/investing/what-moves-the-djia](http://www.investopedia.com/investing/what-moves-the-djia).

<sup>10</sup> “NASDAQ Composite Index: Composite Eligibility Requirements.” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/markets/composite-eligibility-criteria.aspx](http://www.nasdaq.com/markets/composite-eligibility-criteria.aspx).

<sup>11</sup> Carlozo, Lou. “Nasdaq vs. NYSE: Why Companies Choose One Over the Other.” *U.S. News & World Report*, U.S. News & World Report L.P., 5 Aug. 2016, [money.usnews.com/investing/articles/2016-08-05/nasdaq-vs-nyse-why-companies-choose-one-over-the-other](http://money.usnews.com/investing/articles/2016-08-05/nasdaq-vs-nyse-why-companies-choose-one-over-the-other).

<sup>12</sup> Kennon, Joshua. “What is the NASDAQ? - An Overview.” *From humble origins to 3,300 companies under its umbrella.*, The Balance, 1 June 2018, [www.thebalance.com/what-is-the-nasdaq-356343](http://www.thebalance.com/what-is-the-nasdaq-356343).

<sup>13</sup> “Nasdaq 100.” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/markets/indices/nasdaq-100.aspx](http://www.nasdaq.com/markets/indices/nasdaq-100.aspx).

<sup>14</sup> “^IXIC Interactive Stock Chart.” *NASDAQ Composite Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^IXIC](http://finance.yahoo.com/chart/^IXIC). Add ^NDX comparison.

<sup>15</sup> “New York Stock Exchange Composite Index” *Bloomberg*, Bloomberg LP, 31 Dec. 2018, 7:14 PM, [www.bloomberg.com/quote/NYA:IND](http://www.bloomberg.com/quote/NYA:IND).

<sup>16</sup> “^NYA Interactive Stock Chart.” *NYSE COMPOSITE (DJ) Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^NYA](http://finance.yahoo.com/chart/^NYA). Add ^GSPC comparison.

<sup>17</sup> “Russell US Indexes.” *FTSE Russell*, FTSE International Limited, [www.ftserussell.com/index-series/index-spotlights/us-equity-indexes](http://www.ftserussell.com/index-series/index-spotlights/us-equity-indexes).

<sup>18</sup> “Russell 3000® Index” *Data and fact sheets*, FTSE International Limited, 30 Nov. 2018,

[www.ftse.com/Analytics/FactSheets/Home/DownloadSingleIssue?issueName=US3000USD&IsManual=True](http://www.ftse.com/Analytics/FactSheets/Home/DownloadSingleIssue?issueName=US3000USD&IsManual=True). PDF download; see 17.

<sup>19</sup> Chen, James. “Russell 3000 Index.” *Investopedia Terms*, Investopedia, LLC, 13 Nov. 2017, [www.investopedia.com/terms/r/russell\\_3000.asp](http://www.investopedia.com/terms/r/russell_3000.asp).

<sup>20</sup> Richards, Brian. “What Is the Russell 2000? And Why Is It Important?” *The Motley Fool*, The Motley Fool, LLC, 18 June 2018, 12:00 AM, [www.fool.com/investing/general/2012/06/18/what-is-the-russell-2000-and-why-is-it-important.aspx](http://www.fool.com/investing/general/2012/06/18/what-is-the-russell-2000-and-why-is-it-important.aspx).

<sup>21</sup> Kenton, Will. “Russell 2000 Index.” *Investopedia Terms*, Investopedia, LLC, 31 Mar. 2018, [www.investopedia.com/terms/r/russell2000.asp](http://www.investopedia.com/terms/r/russell2000.asp).

<sup>22</sup> Chen, James. “Russell 1000 Index.” *Investopedia Terms*, Investopedia, LLC, 20 Nov. 2017, [www.investopedia.com/terms/r/russell\\_1000index.asp](http://www.investopedia.com/terms/r/russell_1000index.asp).

<sup>23</sup> “^RUA Interactive Stock Chart.” *Russell 3000 Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^RUA](http://finance.yahoo.com/chart/^RUA). Add ^RUT and ^RUI comparisons.

<sup>24</sup> Valetkevitch, Caroline. “Timeline: Key dates and milestones in the S&P 500’s history.” *Reuters*, Thomson Reuters Corporation, [www.reuters.com/article/us-usa-stocks-sp-timeline/timeline-key-dates-and-milestones-in-the-sp-500s-history-idUSBRE92R11Z20130328](http://www.reuters.com/article/us-usa-stocks-sp-timeline/timeline-key-dates-and-milestones-in-the-sp-500s-history-idUSBRE92R11Z20130328).

<sup>25</sup> Moss, Wes. “The 4% Rule: Why it still makes sense for retirement.” *Clark*, Clark Howard Inc., 18 May 2018, 8:33 AM, [clark.com/personal-finance-credit/budgeting-saving/4-percent-rule-retirement](http://clark.com/personal-finance-credit/budgeting-saving/4-percent-rule-retirement).

## Chapter 17: ETFs and Mutual Funds

<sup>1</sup> “What are ETFs?” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/investment-products/etf/what-are-etfs](http://www.fidelity.com/learning-center/investment-products/etf/what-are-etfs).

<sup>2</sup> Thune, Kent. “Should You Buy Commission-Free ETFs?” *Investing Strategies*, The Balance, 17 Dec. 2018, [www.thebalance.com/should-you-buy-commission-free-etfs-4164353](http://www.thebalance.com/should-you-buy-commission-free-etfs-4164353).

<sup>3</sup> “Exchange-Traded Funds.” *FINRA.org*, Financial Industry Regulatory Authority, Inc., [www.finra.org/investors/exchange-traded-funds](http://www.finra.org/investors/exchange-traded-funds).

<sup>4</sup> Olson, Sheila. “Top 4 ETFs to Track the Nasdaq as of October 2018.” *Investopedia Articles*, Investopedia, LLC, 12 Oct. 2018, [www.investopedia.com/articles/etfs/top-etfs-nasdaq](http://www.investopedia.com/articles/etfs/top-etfs-nasdaq).

<sup>5</sup> “WOOD” *iShares Global Timber & Forestry ETF*, Morningstar, Inc., [www.morningstar.com/etfs/xnas/wood/quote.html](http://www.morningstar.com/etfs/xnas/wood/quote.html).

<sup>6</sup> “How are securities weighted in traditional ETFs versus alternative ETFs?” *Vanguard*, The Vanguard Group, Inc., [advisors.vanguard.com/VGApp/iip/site/advisor/etfcenter/article/ETF\\_ETFversusAltETF](http://advisors.vanguard.com/VGApp/iip/site/advisor/etfcenter/article/ETF_ETFversusAltETF).

<sup>7</sup> “QQQ - Invesco QQQ” *Exchange-Traded Funds*, Invesco Capital Management LLC, Invesco Distributors, Inc., and Invesco Ltd., 31 Dec. 2018, [www.invesco.com/portal/site/us/financial-professional/etfs/product-detail?productId=QQQ](http://www.invesco.com/portal/site/us/financial-professional/etfs/product-detail?productId=QQQ).

<sup>8</sup> “Mutual Funds and Exchange-Traded Funds (ETFs) – A Guide for Investors.” *SEC Investor Publications*, U.S. Securities and Exchange Commission, [www.sec.gov/reportspubs/investor-publications/investorpubsinwsmfhtm.html#ETFs](http://www.sec.gov/reportspubs/investor-publications/investorpubsinwsmfhtm.html#ETFs).

<sup>9</sup> Staff, ETF.com. “So You Want To Launch An ETF.” *ETF.com*, Cboe Global Markets, Inc., 1 July 2006, [www.etf.com/publications/journalofindexes/joi-articles/2305.html](http://www.etf.com/publications/journalofindexes/joi-articles/2305.html).

<sup>10</sup> Riedl, Dominique. “Creation / Redemption - The secret sauce of ETFs.” *justETF*, justETF GmbH, 14 Nov. 2017, [www.justetf.com/uk/news/etf/creation-redemption-the-secret-sauce-of-etfs.html](http://www.justetf.com/uk/news/etf/creation-redemption-the-secret-sauce-of-etfs.html).

<sup>11</sup> Kersbergen, Ruben. “ETF Creation And Redemption Models.” *ETF.com*, Cboe Global Markets, Inc., 17 Aug. 2012, [www.etf.com/publications/journalofindexes/joi-articles/8470-etf-creation-and-redemption-models](http://www.etf.com/publications/journalofindexes/joi-articles/8470-etf-creation-and-redemption-models).

<sup>12</sup> Reed, Eric. “ETFs vs. Mutual Funds: Which Should You Choose?” *TheStreet*, TheStreet, Inc., 24 Oct. 2018, 12:46 PM EDT, [www.thestreet.com/investing/etfs/etfs-vs-mutual-funds-14755276](http://www.thestreet.com/investing/etfs/etfs-vs-mutual-funds-14755276).

<sup>13</sup> Chen, James. “Net Asset Value - NAV.” *Investopedia Terms*, Investopedia, LLC, [www.investopedia.com/terms/n/nav.asp](http://www.investopedia.com/terms/n/nav.asp).

<sup>14</sup> Pan, Kevin and Zeng, Yao. “ETF arbitrage under liquidity mismatch.” *Working Paper Series*, European Systemic Risk Board, December 2017, [www.esrb.europa.eu/pub/pdf/wp/esrb.wp59.en.pdf?c32ad640616557344d67f09d62590646](http://www.esrb.europa.eu/pub/pdf/wp/esrb.wp59.en.pdf?c32ad640616557344d67f09d62590646). ISBN 978-9-2952-1046-2. See the role of APs.

<sup>15</sup> “Understanding Premiums And Discounts.” *ETF.com*, Cboe Global Markets, Inc., [www.etf.com/etf-education-center/21026-understanding-premiums-and-discounts.html](http://www.etf.com/etf-education-center/21026-understanding-premiums-and-discounts.html).

<sup>16</sup> Beers, Brian. “Does an ETF pay out the full dividend that comes with the stocks held in that ETF?” *Investopedia Questions and Answers*, Investopedia, LLC, 23 Mar. 2018, [www.investopedia.com/ask/answers/052815/does-etf-pay-out-full-dividend-comes-stocks-held-etf.asp](http://www.investopedia.com/ask/answers/052815/does-etf-pay-out-full-dividend-comes-stocks-held-etf.asp).

<sup>17</sup> “Expense Ratio.” *Morningstar investing Glossary*, Morningstar, Inc., [www.morningstar.com/InvGlossary/expense\\_ratio.aspx](http://www.morningstar.com/InvGlossary/expense_ratio.aspx).

<sup>18</sup> “How Am I Charged for Total Expense Ratio?” *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/knowledge-center/how-am-i-charged-for-total-expense-ratio.aspx](http://www.fool.com/knowledge-center/how-am-i-charged-for-total-expense-ratio.aspx).

<sup>19</sup> “Compare ETFs.” *ETFdb.com*, Mitre Media Corp., [etfdb.com/compare](http://etfdb.com/compare). See “ETFs by Cost.”

<sup>20</sup> “What are mutual funds?” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/investment-products/mutual-funds/what-are-mutual-funds](http://www.fidelity.com/learning-center/investment-products/mutual-funds/what-are-mutual-funds).

<sup>21</sup> Edspira. “Open-End vs Closed-End Mutual Funds.” *YouTube*, YouTube, LLC, 28 Apr. 2015, [www.youtube.com/watch?v=msXDmc5Yyas](http://www.youtube.com/watch?v=msXDmc5Yyas).

<sup>22</sup> Duff, Victoria. “How to Cash Out a Mutual Fund Early.” *the nest*, XO Group Inc. [budgeting.thenest.com/cash-out-mutual-fund-early-27577.html](http://budgeting.thenest.com/cash-out-mutual-fund-early-27577.html).

<sup>23</sup> Chen, James. “Mutual Fund Cash Level.” *Investopedia Terms*, Investopedia, LLC, 16 Jan 2018, [www.investopedia.com/terms/m/mutual\\_fund\\_cash\\_level.asp](http://www.investopedia.com/terms/m/mutual_fund_cash_level.asp).

<sup>24</sup> “Mutual Funds and Taxes.” *Fidelity Tax Information*, FMR LLC, [www.fidelity.com/tax-information/tax-topics/mutual-funds](http://www.fidelity.com/tax-information/tax-topics/mutual-funds).

<sup>25</sup> Johnston, Kevin. “How to Offset Tax Gains by Selling Bad Stocks.” *Zacks*, Zacks Investment Research, [finance.zacks.com/offset-tax-gains-selling-bad-stocks-2320.html](http://finance.zacks.com/offset-tax-gains-selling-bad-stocks-2320.html).

<sup>26</sup> “Capital Gains and Losses – 10 Helpful Facts to Know.” *Internal Revenue Service*, United States Department of the Treasury, 17 July 2018, [www.irs.gov/newsroom/capital-gains-and-losses-10-helpful-facts-to-know-0](http://www.irs.gov/newsroom/capital-gains-and-losses-10-helpful-facts-to-know-0).

<sup>27</sup> “Wash Sales.” *SEC Fast Answers*, U.S. Securities and Exchange Commission, 17 Nov. 2016, [www.sec.gov/answers/wash.htm](http://www.sec.gov/answers/wash.htm).



- <sup>28</sup> Finance, Wiley Global. “ETFs vs. mutual funds: cost comparison.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/investment-products/etf/etfs-cost-comparison](http://www.fidelity.com/learning-center/investment-products/etf/etfs-cost-comparison).
- <sup>29</sup> Moore, Alison. “Are a Fund's Expenses Deducted Daily From Assets?” *TheStreet*, TheStreet, Inc., 30 Mar. 1999, 12:02 PM EST,
- <sup>30</sup> “Compound Interest Calculator.” *Moneychimp*, Moneychimp.com, [www.moneychimp.com/calculator/compound\\_interest\\_calculator.htm](http://www.moneychimp.com/calculator/compound_interest_calculator.htm).
- <sup>31</sup> Chen, James. “Open-End Fund.” *Investopedia Terms*, Investopedia, LLC, 26 Feb. 2018, [www.investopedia.com/terms/o/open-endfund.asp](http://www.investopedia.com/terms/o/open-endfund.asp).
- <sup>32</sup> “A Guide to Closed-End Funds.” *ICI Global*, Investment Company Institute, [www.ici.org/cef/background/bro\\_g2\\_ce](http://www.ici.org/cef/background/bro_g2_ce).
- <sup>33</sup> “Leveraged Fund Law and Legal Definition.” *US Legal*, US Legal, Inc., [definitions.uslegal.com/l/leveraged-fund](http://definitions.uslegal.com/l/leveraged-fund).
- <sup>34</sup> “Leverage.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/investment-products/closed-end-funds/leverage](http://www.fidelity.com/learning-center/investment-products/closed-end-funds/leverage).
- <sup>35</sup> Conley, Paul. “Unit Investment Trusts.” *Funds and ETFs*. The Balance. [www.thebalance.com/should-i-invest-in-unit-investment-trusts-416971](http://www.thebalance.com/should-i-invest-in-unit-investment-trusts-416971).

## Chapter 18: Commodities and Currencies

- <sup>1</sup> Barrington, Richard. “What Determines The Strength Of A Currency?” *Forbes Magazine*, Forbes Media LLC, 1 Dec. 2011, 2:45 PM, [www.forbes.com/sites/moneybuilder/2011/12/01/what-determines-the-strength-of-a-currency](http://www.forbes.com/sites/moneybuilder/2011/12/01/what-determines-the-strength-of-a-currency).
- <sup>2</sup> Baldwin, William. “Best ETFs: Commodities And Currencies.” *Forbes Magazine*, Forbes Media LLC, 20 June 2018, 9:30 AM, [www.forbes.com/sites/baldwin/2018/06/20/best-etfs-currencies-and-commodities](http://www.forbes.com/sites/baldwin/2018/06/20/best-etfs-currencies-and-commodities).
- <sup>3</sup> Folger, Jean. “Should you trade forex or stocks?” *Investopedia Articles*, Investopedia, LLC, 6 Apr. 2018, [www.investopedia.com/articles/forex/11/forex-or-stocks.asp](http://www.investopedia.com/articles/forex/11/forex-or-stocks.asp).
- <sup>4</sup> Lioudis, Nick K. “Commodities trading: An overview.” *Investopedia Investing*, Investopedia, LLC, 28 Feb. 2018, [www.investopedia.com/investing/commodities-trading-overview](http://www.investopedia.com/investing/commodities-trading-overview).
- <sup>5</sup> “Cotton No. 2® Rules.” *ICE Futures Rulebook*, Intercontinental Exchange, Inc., [www.theice.com/publicdocs/rulebooks/futures\\_us/10\\_Cotton.pdf](http://www.theice.com/publicdocs/rulebooks/futures_us/10_Cotton.pdf).
- <sup>6</sup> “FCOJ-A Futures” *ICE Markets*, Intercontinental Exchange, Inc., [www.theice.com/products/30/FCOJ-A-Futures](http://www.theice.com/products/30/FCOJ-A-Futures).
- <sup>7</sup> Kowalski, Chuck. “The Commodities You Can Trade on U.S. Exchanges.” *The Commodities You Can Trade on U.S. Exchanges*, The Balance, 5 May 2017, [www.thebalance.com/what-commodities-can-you-trade-809384](http://www.thebalance.com/what-commodities-can-you-trade-809384).
- <sup>8</sup> “List of traded commodities.” *IPFS*, InterPlanetary File System Protocol, [ipfs.io/ipfs/QmXoypizjW3WknFiJnKLwHCnL72vedxjQkDDP1mXW06uco/wiki/List\\_of\\_traded\\_commodities.html](http://ipfs.io/ipfs/QmXoypizjW3WknFiJnKLwHCnL72vedxjQkDDP1mXW06uco/wiki/List_of_traded_commodities.html).
- <sup>9</sup> Kowalski, Chuck. “The Most Actively Traded Commodities.” *Macro Topics*, The Balance, 22 August 2018, [www.thebalance.com/the-most-actively-traded-commodities-809314](http://www.thebalance.com/the-most-actively-traded-commodities-809314).
- <sup>10</sup> Jacks, David S.; O'Rourke, Kevin H.; and Williamson, Jeffrey G. “Commodity Price Volatility and World Market Integration Since 1700.” *NBER Working Paper Series*, National Bureau of Economic Research, Feb. 2017, [www.nber.org/papers/w14748.pdf](http://www.nber.org/papers/w14748.pdf).
- <sup>11</sup> Chen, James. “Spot Price.” *Investopedia Terms*, Investopedia, LLC, 11 July 2018, [www.investopedia.com/terms/s/spotprice.asp](http://www.investopedia.com/terms/s/spotprice.asp).
- <sup>12</sup> “Markets.” *Commodities Futures*, Yahoo! Finance, [finance.yahoo.com/commodities](http://finance.yahoo.com/commodities).
- <sup>13</sup> “The Major U.S. and Worldwide Commodity Exchanges.” *dummies.com*, John Wiley & Sons, Inc., [www.dummies.com/personal-finance/investing/the-major-u-s-and-worldwide-commodity-exchanges](http://www.dummies.com/personal-finance/investing/the-major-u-s-and-worldwide-commodity-exchanges).
- <sup>14</sup> “Commodities Exchanges Around the World.” *index mundi*, IndexMundi.com, [www.indexmundi.com/commodities/glossary/commodities-exchanges-around-the-world](http://www.indexmundi.com/commodities/glossary/commodities-exchanges-around-the-world).
- <sup>15</sup> “Latest Commodity Prices.” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/markets/commodities.aspx](http://www.nasdaq.com/markets/commodities.aspx).
- <sup>16</sup> “Glossary.” *CME Glossary of Commodity Terms*, Roy E. Abbott Futures, Inc., [www.abbottfutures.com/resources/glossary](http://www.abbottfutures.com/resources/glossary). Search “physical” and “delivery.”
- <sup>17</sup> Stefanov, Ilia and Blanco, Tuire. “Supply Chain Strategy as Part of Customer Satisfaction.” *Degree Programme in International Business Thesis*, Lahti University of Applied Science, 2006, [www.theseus.fi/bitstream/handle/10024/11132/2007-04-27-16.pdf?sequence=1](http://www.theseus.fi/bitstream/handle/10024/11132/2007-04-27-16.pdf?sequence=1).
- <sup>18</sup> Hecht, Andrew. “Taking Delivery of Commodities via the Futures Market.” *Commodity Basics*, The Balance, 23 Sept. 2018, [www.thebalance.com/taking-delivery-of-commodities-via-the-futures-market-4118366](http://www.thebalance.com/taking-delivery-of-commodities-via-the-futures-market-4118366).
- <sup>19</sup> “Exchange For Physical on Gold Futures.” *CME Group*, CME Group Inc., [www.cmegroup.com/trading/metals/precious/gold-futures-and-options/exchange-for-physical-gold-futures.html](http://www.cmegroup.com/trading/metals/precious/gold-futures-and-options/exchange-for-physical-gold-futures.html).
- <sup>20</sup> Chen, James. “Commodity Futures Contract.” *Investopedia Terms*, Investopedia, LLC, 10 Jan. 2018, [www.investopedia.com/terms/c/commodityfuturescontract.asp](http://www.investopedia.com/terms/c/commodityfuturescontract.asp).
- <sup>21</sup> Kowalski, Chuck. “The Short Side Of Commodities - How To Sell Commodities.” *Futures and Options*, The Balance, 29 Apr. 2018, [www.thebalance.com/the-short-side-of-commodities-how-to-sell-commodities-809393](http://www.thebalance.com/the-short-side-of-commodities-how-to-sell-commodities-809393).

- <sup>22</sup> “Coffee Futures Trading Basics.” *The Options Guide*, TheOptionsGuide.com, [www.theoptionsguide.com/coffee-futures.aspx](http://www.theoptionsguide.com/coffee-futures.aspx).
- <sup>23</sup> “Coffee C<sup>®</sup> Futures.” *ICE Futures U.S.*, Intercontinental Exchange, Inc., [www.theice.com/products/15/Coffee-C-Futures/specs](http://www.theice.com/products/15/Coffee-C-Futures/specs).
- <sup>24</sup> Allen, Russ. “Who is on the other side of your option trade?” *Lessons from the Pros*, Online Trading Academy, 5 Aug. 2014, [www.tradingacademy.com/lessons/article/who-is-on-the-other-side-of-your-option-trade](http://www.tradingacademy.com/lessons/article/who-is-on-the-other-side-of-your-option-trade).
- <sup>25</sup> “Definition of ‘Futures Contract’” *The Economic Times*, Bennett, Coleman & Co. Ltd., [economictimes.indiatimes.com/definition/futures-contract](http://economictimes.indiatimes.com/definition/futures-contract).
- <sup>26</sup> Kiyosaki, Kim. “Have You Considered Paper Assets?” *Rich Dad*, the Rich Dad Company, 10 Apr. 2014, [www.richdad.com/Resources/Rich-Dad-Financial-Education-Blog/April-2014/have-you-considered-paper-assets.aspx](http://www.richdad.com/Resources/Rich-Dad-Financial-Education-Blog/April-2014/have-you-considered-paper-assets.aspx).
- <sup>27</sup> Atias, Michael. “The Advantages of Trading Futures.” *Lessons from the Pros*, Online Trading Academy, 14 Feb. 2012, [www.tradingacademy.com/lessons/article/the-advantages-of-trading-futures](http://www.tradingacademy.com/lessons/article/the-advantages-of-trading-futures).
- <sup>28</sup> “About Form 6781, Gains and Losses From Section 1256 Contracts and Straddles.” *Internal Revenue Service*, United States Department of the Treasury, 12 Dec. 2018, [www.irs.gov/forms-pubs/about-form-6781](http://www.irs.gov/forms-pubs/about-form-6781).
- <sup>29</sup> “Form 6781, Gains and Losses From Section 1256 Contracts and Straddles.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/pub/irs-pdf/f6781.pdf](http://www.irs.gov/pub/irs-pdf/f6781.pdf).
- <sup>30</sup> Cody, Colin M., CPA, CMA. “Futures and Commodities Trading.” *Trader Status*, TraderStatus.com, LLC, [www.traderstatus.com/futures.htm](http://www.traderstatus.com/futures.htm).
- <sup>31</sup> “Mitt Romney’s 2011 Tax Return.” *Tax History Project*, Tax Analysts, [www.taxhistory.org/thp/presreturns.nsf/Returns/9F81699BC7D6DE238525798F0051C35F/\\$file/M\\_Romney\\_2011.pdf](http://www.taxhistory.org/thp/presreturns.nsf/Returns/9F81699BC7D6DE238525798F0051C35F/$file/M_Romney_2011.pdf).
- <sup>32</sup> Lankford, Kimberly. “5 Things You Should Know About Giving Stock to Charity: Donating stock instead of cash may help you get a bigger tax break.” *Kiplinger*, The Kiplinger Washington Editors, Inc., 1 Dec. 2015, [www.kiplinger.com/article/taxes/T054-C001-S001-giving-stock-to-charity.html](http://www.kiplinger.com/article/taxes/T054-C001-S001-giving-stock-to-charity.html).
- <sup>33</sup> Kumar, V. Phani. “24-hour stock trading never took off; here’s why.” *MarketWatch*, MarketWatch, Inc., 30 Nov. 2011, 4:19 PM ET, [www.marketwatch.com/story/24-hour-stock-trading-never-took-off-heres-why-2011-11-30](http://www.marketwatch.com/story/24-hour-stock-trading-never-took-off-heres-why-2011-11-30).
- <sup>34</sup> “How Futures Work and How to Get Started Trading.” *Nerdwallet*, Nerdwallet, Inc., 15 Dec. 2017, [www.nerdwallet.com/blog/investing/started-futures-trading](http://www.nerdwallet.com/blog/investing/started-futures-trading).
- <sup>35</sup> Heifner, Richard G.; Wright, Bruce H.; and Plato, Gerald E. “Using Cash, Futures, and Options Contracts in the Farm Business.” *Economic Research Service*, United States Department of Agriculture, [naldc.nal.usda.gov/download/CAT93973963/PDF](http://naldc.nal.usda.gov/download/CAT93973963/PDF).
- <sup>36</sup> Dunnette, Robbie. “In futures contracts, each month is represented by a letter code. This is done alphabetically, but why does it start in F for January and why are some letters skipped?” *Quora*, Quora, Inc., 13 Mar. 2015, [www.quora.com/In-futures-contracts-each-month-is-represented-by-a-letter-code-This-is-done-alphabetically-but-why-does-it-start-in-F-for-January-and-why-are-some-letters-skipped](http://www.quora.com/In-futures-contracts-each-month-is-represented-by-a-letter-code-This-is-done-alphabetically-but-why-does-it-start-in-F-for-January-and-why-are-some-letters-skipped).
- <sup>37</sup> Suh, Chan-Ho et al. “Why do futures traders write months in a strange way?” *Stack Exchange*, Stack Exchange Inc, [money.stackexchange.com/questions/49323/why-do-futures-traders-write-months-in-a-strange-way](http://money.stackexchange.com/questions/49323/why-do-futures-traders-write-months-in-a-strange-way).
- <sup>38</sup> Tiwari, Sanjay, Dr. “Introduction to Derivative Securities.” *Financial Derivatives*, Guru Jambheshwar University of Science & Technology, Hisar - Haryana, [www.ddegjust.ac.in/studymaterial/mba/fm-407.pdf](http://www.ddegjust.ac.in/studymaterial/mba/fm-407.pdf).
- <sup>39</sup> “Top 125 Commodity ETFs.” *ETFdb.com*, Mitre Media Corp., [etfdb.com/etfs/asset-class/commodity](http://etfdb.com/etfs/asset-class/commodity).
- <sup>40</sup> “Wilshire 5000 Family: Wilshire 5000 Total Market Index.” *Wilshire*, Wilshire Associates, Inc., [wilshire.com/indexes/wilshire-5000-family/wilshire-5000-total-market-index](http://wilshire.com/indexes/wilshire-5000-family/wilshire-5000-total-market-index).
- <sup>41</sup> “Stocks vs. Gold and Silver.” *Longtermtrends*, Silvan Frank, [www.longtermtrends.net/stocks-vs-gold-comparison](http://www.longtermtrends.net/stocks-vs-gold-comparison).
- <sup>42</sup> Bams, Dennis; Honarvar, Iman; and Lehnert, Thorsten. “Risk Aversion, Sentiment and the Cross Section of Stock Returns.” *Content Media*, Complutense University of Madrid, June 2017, [www.ucm.es/data/cont/media/www/pag-37515/Lehnert\\_Nov17.pdf](http://www.ucm.es/data/cont/media/www/pag-37515/Lehnert_Nov17.pdf).
- <sup>43</sup> “Why Investing in Gold Coins Make Sense during a Market Crash.” *Focus on the User*, focusontheuser.org, [www.focusontheuser.org/buy-gold/why-does-investing-in-gold-coins-make-sense-during-a-market-crash](http://www.focusontheuser.org/buy-gold/why-does-investing-in-gold-coins-make-sense-during-a-market-crash).
- <sup>44</sup> Clark, Jeff. “Gold vs. Silver: The 5 Differences That Matter Most to Investors.” *GoldSilver*, GoldSilver, LLC, 2 Feb. 2018, [goldsilver.com/blog/gold-vs-silver-the-5-differences-that-matter-most-to-investors](http://goldsilver.com/blog/gold-vs-silver-the-5-differences-that-matter-most-to-investors).
- <sup>45</sup> “S&P 500 Historical Annual Returns” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2526/sp-500-historical-annual-returns](http://www.macrotrends.net/2526/sp-500-historical-annual-returns).
- <sup>46</sup> “Wheat Prices - 40 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2534/wheat-prices-historical-chart-data](http://www.macrotrends.net/2534/wheat-prices-historical-chart-data).
- <sup>47</sup> “Sugar Prices - 37 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2537/sugar-prices-historical-chart-data](http://www.macrotrends.net/2537/sugar-prices-historical-chart-data).
- <sup>48</sup> “Soybean Prices - 45 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2531/soybean-prices-historical-chart-data](http://www.macrotrends.net/2531/soybean-prices-historical-chart-data).
- <sup>49</sup> “Oats Prices - 45 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2536/oats-prices-historical-chart-data](http://www.macrotrends.net/2536/oats-prices-historical-chart-data).
- <sup>50</sup> “Corn Prices - 45 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, [www.macrotrends.net/2532/corn-prices-historical-chart-data](http://www.macrotrends.net/2532/corn-prices-historical-chart-data).
- <sup>51</sup> “Cotton Prices - 45 Year Historical Chart” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2533/cotton-prices-historical-chart-data](http://www.macrotrends.net/2533/cotton-prices-historical-chart-data).

- <sup>52</sup> “Coffee Prices - 45 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2535/coffee-prices-historical-chart-data](http://www.macrotrends.net/2535/coffee-prices-historical-chart-data).
- <sup>53</sup> “Free Historical Futures Price Data.” *Turtle Trader*, Trend Following, [www.turtletrader.com/hpd](http://www.turtletrader.com/hpd). Select Orange Juice.
- <sup>54</sup> “Orange Juice Futures - Mar 19.” *Investing.com*, Fusion Media Limited, 2 Jan. 2019, [www.investing.com/commodities/orange-juice-historical-data](http://www.investing.com/commodities/orange-juice-historical-data).
- <sup>55</sup> “Europe Brent Spot Price FOB.” *Independent Statistics & Analysis*, U.S. Energy Information Administration, 28 Dec. 2018, [www.eia.gov/dnav/pet/hist/rbrteD.htm](http://www.eia.gov/dnav/pet/hist/rbrteD.htm).
- <sup>56</sup> “Crude Oil Prices: West Texas Intermediate (WTI) - Cushing, Oklahoma.” *FRED Economic Research*, Federal Reserve Bank of St. Louis, 28 Dec. 2018, [fred.stlouisfed.org/series/DCOILWTICO](http://fred.stlouisfed.org/series/DCOILWTICO).
- <sup>57</sup> “Crude Oil Prices - 70 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/1369/crude-oil-price-history-chart](http://www.macrotrends.net/1369/crude-oil-price-history-chart).
- <sup>58</sup> “Natural Gas Prices - Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2478/natural-gas-prices-historical-chart](http://www.macrotrends.net/2478/natural-gas-prices-historical-chart).
- <sup>59</sup> “Henry Hub Natural Gas Futures End of Day Settlement Price.” *index mundi*, IndexMundi.com, Nov. 2018, [www.indexmundi.com/commodities/?commodity=natural-gas&months=360](http://www.indexmundi.com/commodities/?commodity=natural-gas&months=360)
- <sup>60</sup> “Palladium Prices - Interactive Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2542/palladium-prices-historical-chart-data](http://www.macrotrends.net/2542/palladium-prices-historical-chart-data).
- <sup>61</sup> “Gold Prices - 100 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/1333/historical-gold-prices-100-year-chart](http://www.macrotrends.net/1333/historical-gold-prices-100-year-chart).
- <sup>62</sup> “Rhodium Monthly Averages.” *Historical London Fix*, Kitco Metals Inc., Jan. 2019, [www.kitco.com/scripts/hist\\_charts/yearly\\_graphs.plx](http://www.kitco.com/scripts/hist_charts/yearly_graphs.plx).
- <sup>63</sup> “Copper Prices - 45 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/1476/copper-prices-historical-chart-data](http://www.macrotrends.net/1476/copper-prices-historical-chart-data).
- <sup>64</sup> “Platinum Prices - Interactive Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/2540/platinum-prices-historical-chart-data](http://www.macrotrends.net/2540/platinum-prices-historical-chart-data).
- <sup>65</sup> “Silver Prices - 100 Year Historical Chart.” *Macrotrends*, Macrotrends LLC, 31 Dec. 2018, [www.macrotrends.net/1470/historical-silver-prices-100-year-chart](http://www.macrotrends.net/1470/historical-silver-prices-100-year-chart).
- <sup>66</sup> “CPI Inflation Calculator.” *Bureau of Labor Statistics*, United States Department of Labor, [data.bls.gov/cgi-bin/cpicalc.pl](http://data.bls.gov/cgi-bin/cpicalc.pl).
- <sup>67</sup> “Forex Market Overview.” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/forex/education/foreign-exchange-market-overview.aspx](http://www.nasdaq.com/forex/education/foreign-exchange-market-overview.aspx).
- <sup>68</sup> Gopalakrishnan, Jayanthi. “All the World’s a Trade: Market Perspective Through Global Events.” *The Ticker Tape*, TD Ameritrade, Inc., 1 Oct. 2017, [tickertape.tdameritrade.com/trading/swing-trading-commodities-analyzing-global-events-16150](http://tickertape.tdameritrade.com/trading/swing-trading-commodities-analyzing-global-events-16150).
- <sup>69</sup> “U.S. Dollar Currency Index.” *TradingView*, TradingView Inc., [www.tradingview.com/symbols/TVC-DXY](http://www.tradingview.com/symbols/TVC-DXY). Add other currencies as comparisons.
- <sup>70</sup> Woolley, James. “Why Is The Forex Market So Slow Today?” *The Forex Chronicles*, WordPress.org, [www.theforexchronicles.com/why-is-the-forex-market-so-slow-today](http://www.theforexchronicles.com/why-is-the-forex-market-so-slow-today).
- <sup>71</sup> “Forex vs. Stocks: Should You Trade Forex or Stocks?” *Admiral Markets*, Admiral Markets UK Ltd, Admiral Markets AS, Admiral Markets Cyprus Ltd, and Admiral Markets Pty Ltd, [admiralmarkets.com/education/articles/forex-basics/forex-vs-stocks-should-you-trade-forex-or-stocks](http://admiralmarkets.com/education/articles/forex-basics/forex-vs-stocks-should-you-trade-forex-or-stocks).
- <sup>72</sup> “U.S. Dollar / Japanese Yen.” *TradingView*, TradingView Inc., [www.tradingview.com/symbols/USDJPY](http://www.tradingview.com/symbols/USDJPY).
- <sup>73</sup> “Prana Biotechnology Ltd - American Depositary Shares” *TradingView*, TradingView Inc., [www.tradingview.com/symbols/NASDAQ-PRAN](http://www.tradingview.com/symbols/NASDAQ-PRAN).
- <sup>74</sup> “26 U.S. Code § 1256 - Section 1256 contracts marked to market.” *Legal Information Institute*, Cornell University, [www.law.cornell.edu/uscode/text/26/1256](http://www.law.cornell.edu/uscode/text/26/1256).

## Chapter 19: Order Types

- <sup>1</sup> “Market Order.” *Investing Answers*, InvestingAnswers, Inc., [investinganswers.com/financial-dictionary/investing/market-order-1214](http://investinganswers.com/financial-dictionary/investing/market-order-1214).
- <sup>2</sup> Plaehn, Tim. “What Does a Limit Order Mean?” *Zacks*, Zacks Investment Research, [finance.zacks.com/limit-order-mean-7944.html](http://finance.zacks.com/limit-order-mean-7944.html).
- <sup>3</sup> “Market if Touched Orders.” *Interactive Brokers*, Interactive Brokers LLC, [www.interactivebrokers.com/en/index.php?f=600](http://www.interactivebrokers.com/en/index.php?f=600).
- <sup>4</sup> “stop order.” *Business Dictionary*, WebFinance Inc., [www.businessdictionary.com/definition/stop-order.html](http://www.businessdictionary.com/definition/stop-order.html).
- <sup>5</sup> Chen, James. “Stop-Limit Order.” *Investopedia Terms*, Investopedia, LLC, 28 June 2018, [www.investopedia.com/terms/s/stop-limitorder.asp](http://www.investopedia.com/terms/s/stop-limitorder.asp).
- <sup>6</sup> Ait-Sahalia, Yacine and Saglam, Mehmet. “High Frequency Traders: Taking Advantage of Speed.” *Tinbergen Institute*, Princeton University and the University of Cincinnati, 15 May 2014, [www.tinbergen.nl/wp-content/uploads/2014/05/High-Frequency-Traders.-Taking-Advantage-of-Speed.pdf](http://www.tinbergen.nl/wp-content/uploads/2014/05/High-Frequency-Traders.-Taking-Advantage-of-Speed.pdf).
- <sup>7</sup> “Trailing Stop Orders.” *Interactive Brokers*, Interactive Brokers LLC, [www.interactivebrokers.com/en/index.php?f=605](http://www.interactivebrokers.com/en/index.php?f=605).
- <sup>8</sup> Etzel, Rance. “Conditional Orders: Why Use Them?” *Charles Schwab*, The Charles Schwab Corporation, [www.schwab.com/active-trader/insights/content/conditional-orders-why-use-them](http://www.schwab.com/active-trader/insights/content/conditional-orders-why-use-them).
- <sup>9</sup> “Conditional Orders.” *Interactive Brokers*, Interactive Brokers LLC, [www.interactivebrokers.com/en/index.php?f=584](http://www.interactivebrokers.com/en/index.php?f=584).
- <sup>10</sup> “Advanced trading types: Conditional orders.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/trading-investing/trading/conditional-order-types](http://www.fidelity.com/learning-center/trading-investing/trading/conditional-order-types).
- <sup>11</sup> “Reducing Trading Risk with Stop Losses.” *Alvexo Academy*, VPR Safe Financial Group Limited, [academy.alvexo.com/academy-advanced/advanced-articles/reducing-trading-risk-stop-losses](http://academy.alvexo.com/academy-advanced/advanced-articles/reducing-trading-risk-stop-losses).

- <sup>12</sup> Teo, Rayner. “How to Set Stop Loss to Protect Your Profits and Ride Big Trends.” *TradingwithRayner*, TradingwithRayner.com, 21 Dec. 2015, [www.tradingwithrayner.com/set-stoploss](http://www.tradingwithrayner.com/set-stoploss).
- <sup>13</sup> “Limit Orders.” *SEC Fast Answers*, U.S. Securities and Exchange Commission, 10 Mar. 2011, [www.sec.gov/fast-answers/answerslimithtm.html](http://www.sec.gov/fast-answers/answerslimithtm.html).
- <sup>14</sup> Milton, Adam. “Stop Loss Orders - Market or Limit?” *The Pros and Cons of Limit and Market Stop Loss Orders*, The Balance, 14 Sept. 2018, [www.thebalance.com/stop-loss-orders-market-or-limit-1031053](http://www.thebalance.com/stop-loss-orders-market-or-limit-1031053).
- <sup>15</sup> “QQQ Interactive Stock Chart.” *Invesco QQQ Trust Stock*, Yahoo! Finance, [finance.yahoo.com/chart/QQQ](http://finance.yahoo.com/chart/QQQ). Learn more about the August 24, 2015 flash crash at [www.sec.gov/marketstructure/research/equity\\_market\\_volatility.pdf](http://www.sec.gov/marketstructure/research/equity_market_volatility.pdf).

## Chapter 20: Active Trader Status

- <sup>1</sup> “Topic No. 429 Traders in Securities (Information for Form 1040 Filers).” *Internal Revenue Service*, United States Department of the Treasury, 1 Mar. 2018, [www.irs.gov/taxtopics/tc429](http://www.irs.gov/taxtopics/tc429).
- <sup>2</sup> “26 U.S. Code § 1211 - Limitation on Capital Losses.” *Legal Information Institute*, Cornell University, [www.law.cornell.edu/uscode/text/26/1211](http://www.law.cornell.edu/uscode/text/26/1211).
- <sup>3</sup> Caplinger, Dan. “Capital Loss Carryovers Can Cut Your Tax Bill for Years.” *The Motley Fool*, The Motley Fool, LLC, 2 Oct. 2012, 12:00 AM, [www.fool.com/taxes/2012/10/02/capital-loss-carryovers-can-cut-your-tax-bill-for-.aspx](http://www.fool.com/taxes/2012/10/02/capital-loss-carryovers-can-cut-your-tax-bill-for-.aspx).
- <sup>4</sup> “Trader Taxation.” *Asset Protection & Tax Advisors*, Anderson Law Group, PLLC dba Anderson Business Advisors, [andersonadvisors.com/trader\\_taxation](http://andersonadvisors.com/trader_taxation).
- <sup>5</sup> “Trader Tax Status: How To Qualify.” *GreenTraderTax*, Green & Company, Inc., [greentrader.com/trader-tax-center/trader-tax-status/how-to-qualify](http://greentrader.com/trader-tax-center/trader-tax-status/how-to-qualify).
- <sup>6</sup> Angela. “Trader Tax Status Benefits for Day Traders.” *Traders Accounting*, 28 Nov. 2017, [www.tradersaccounting.com/2017/11/28/trader-tax-status-benefits-for-active-traders](http://www.tradersaccounting.com/2017/11/28/trader-tax-status-benefits-for-active-traders).
- <sup>7</sup> Zepeda, Amanda. “Five Tips To Reduce Taxes For Day Traders.” *Finovera*, Finovera, Inc., 5 July 2013, [www.finovera.com/2013/07/05/five-tips-to-reduce-taxes-for-day-traders](http://www.finovera.com/2013/07/05/five-tips-to-reduce-taxes-for-day-traders).
- <sup>8</sup> “How Home Office Deduction Will Change in 2018.” *GT Reilly & Company*, Moore Stephens International Limited, 23 Jan. 2018, [www.gtreilly.com/blog/article/how-home-office-deduction-will-change-in-2018](http://www.gtreilly.com/blog/article/how-home-office-deduction-will-change-in-2018).
- <sup>9</sup> “Self-Employment Tax (Social Security and Medicare Taxes).” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/businesses/small-businesses-self-employed/self-employment-tax-social-security-and-medicare-taxes](http://www.irs.gov/businesses/small-businesses-self-employed/self-employment-tax-social-security-and-medicare-taxes).
- <sup>10</sup> Harmon, Michael R., J.D., CPA and Kulsrud, William N., Ph.D., CPA “Sec. 475 Mark-to-Market Election.” *The Tax Adviser*, Association of International Certified Professional Accountants, 1 Feb. 2010, [www.thetaxadviser.com/issues/2010/feb/sec475mark-to-marketelection.html](http://www.thetaxadviser.com/issues/2010/feb/sec475mark-to-marketelection.html).
- <sup>11</sup> Frankel, Matthew, CFP®. “Your Guide to Capital Gains Taxes in 2018.” *The Motley Fool*, The Motley Fool, LLC, 22 Dec. 2017, 7:33 AM, [www.fool.com/taxes/2017/12/22/your-guide-to-capital-gains-taxes-in-2018.aspx](http://www.fool.com/taxes/2017/12/22/your-guide-to-capital-gains-taxes-in-2018.aspx).
- <sup>12</sup> Orem, Tina. “2018 Federal Income Tax Brackets and New Tax Rates.” *NerdWallet*, NerdWallet, Inc., 2 Nov. 2018, [www.nerdwallet.com/blog/taxes/federal-income-tax-brackets](http://www.nerdwallet.com/blog/taxes/federal-income-tax-brackets).
- <sup>13</sup> “Comprehensive Guide: Section 475(f) Mark-To-Market Accounting and IRS Form 4797.” *tradelog: Tax Software for Active Traders*, Cogenta Computing Inc., [www.tradelogsoftware.com/resources/mark-to-market-form-4797](http://www.tradelogsoftware.com/resources/mark-to-market-form-4797).
- <sup>14</sup> “Section 179 Tax Deduction for 2018.” *Section179.org*, Section 179 Organization, [www.section179.org/section\\_179\\_deduction](http://www.section179.org/section_179_deduction).
- <sup>15</sup> Hall, Mary. “Benefits Abound for Active Traders Who Incorporate.” *Investopedia Articles*, Investopedia, LLC, 23 Feb. 2018, [www.investopedia.com/articles/trading/09/incorporate-active-trading.asp](http://www.investopedia.com/articles/trading/09/incorporate-active-trading.asp).
- <sup>16</sup> “Set Up & Manage Your Day Trading Business and Taxes - Trading as a Business.” *Traders Accounting*, [www.tradersaccounting.com/trader-business-llc](http://www.tradersaccounting.com/trader-business-llc).
- <sup>17</sup> “Tax Cuts and Jobs Act, Provision 11011 Section 199A - Qualified Business Income Deduction FAQs.” *Internal Revenue Service*, United States Department of the Treasury, [www.irs.gov/newsroom/tax-cuts-and-jobs-act-provision-11011-section-199a-qualified-business-income-deduction-faqs](http://www.irs.gov/newsroom/tax-cuts-and-jobs-act-provision-11011-section-199a-qualified-business-income-deduction-faqs).
- <sup>18</sup> Green, Robert A., CPA. “Holsinger case: IRS denies trader tax status and MTM.” *GreenTraderTax*, Green & Company, Inc., 3 Sept. 2008, [greentrader.com/holsinger-case-irs-denies-trader-tax-status-and-mtm](http://greentrader.com/holsinger-case-irs-denies-trader-tax-status-and-mtm).
- <sup>19</sup> “26 U.S. Code § 475 - Mark to market accounting method for dealers in securities.” *Legal Information Institute*, Cornell University, [www.law.cornell.edu/uscode/text/26/475](http://www.law.cornell.edu/uscode/text/26/475).

## Chapter 21: Options

- <sup>1</sup> Chen, James. “Option.” *Investopedia Terms*, Investopedia, LLC, 4 Aug. 2018, [www.investopedia.com/terms/o/option.asp](http://www.investopedia.com/terms/o/option.asp).

- <sup>2</sup> “Option.” *Investing Answers*, InvestingAnswers, Inc., [investinganswers.com/financial-dictionary/optionsderivatives/option-2049](http://investinganswers.com/financial-dictionary/optionsderivatives/option-2049).
- <sup>3</sup> Downey, Lucas. “Options Basics: Call and Put Options.” *Investopedia University*, Investopedia, LLC, [www.investopedia.com/university/options/option.asp](http://www.investopedia.com/university/options/option.asp).
- <sup>4</sup> “Commissions & Fees.” *Tastyworks*, Tastyworks, Inc., [tastyworks.com/commissions-and-fees.html](http://tastyworks.com/commissions-and-fees.html).
- <sup>5</sup> Chen, James. “Covered Call.” *Investopedia Terms*, Investopedia, LLC, 2 June 2018, [www.investopedia.com/terms/c/coveredcall.asp](http://www.investopedia.com/terms/c/coveredcall.asp).
- <sup>6</sup> Chen, James. “Protective Put.” *Investopedia Terms*, Investopedia, LLC, 23 July 2018, [www.investopedia.com/terms/p/protective-put.asp](http://www.investopedia.com/terms/p/protective-put.asp).
- <sup>7</sup> Chen, James. “Strangle.” *Investopedia Terms*, Investopedia, LLC, 24 June 2018, [www.investopedia.com/terms/s/strangle.asp](http://www.investopedia.com/terms/s/strangle.asp).
- <sup>8</sup> “Option Strangle (Long Strangle).” *The Options Guide*, TheOptionsGuide.com, [www.theoptionsguide.com/long-strangle.aspx](http://www.theoptionsguide.com/long-strangle.aspx).
- <sup>9</sup> Chen, James. “Straddle.” *Investopedia Terms*, Investopedia, LLC, 31 May 2018, [www.investopedia.com/terms/s/straddle.asp](http://www.investopedia.com/terms/s/straddle.asp).
- <sup>10</sup> “Option Straddle (Long Straddle).” *The Options Guide*, TheOptionsGuide.com, [www.theoptionsguide.com/long-straddle.aspx](http://www.theoptionsguide.com/long-straddle.aspx).
- <sup>11</sup> Wolfinger, Mark. “The Iron Condor.” *Investopedia Articles*, Investopedia, LLC, 5 Aug. 2018, [www.investopedia.com/articles/trading/08/flock-to-iron-condors.asp](http://www.investopedia.com/articles/trading/08/flock-to-iron-condors.asp).
- <sup>12</sup> “Iron Condors.” *The Options Guide*, TheOptionsGuide.com, [www.theoptionsguide.com/iron-condor.aspx](http://www.theoptionsguide.com/iron-condor.aspx).
- <sup>13</sup> Chen, James. “Butterfly Spread.” *Investopedia Terms*, Investopedia, LLC, 9 Aug. 2018, [www.investopedia.com/terms/b/butterflyspread.asp](http://www.investopedia.com/terms/b/butterflyspread.asp).
- <sup>14</sup> “Butterfly Spread.” *The Options Guide*, TheOptionsGuide.com, [www.theoptionsguide.com/butterfly-spread.aspx](http://www.theoptionsguide.com/butterfly-spread.aspx).
- <sup>15</sup> Royal, James, PhD and Yochim, Dayana. “How to Trade Options.” *NerdWallet*, NerdWallet, Inc., 5 June 2018, [www.nerdwallet.com/blog/investing/how-to-trade-options](http://www.nerdwallet.com/blog/investing/how-to-trade-options).
- <sup>16</sup> Gillies, Jim. “Options: The Basics.” *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/investing/options/options-the-basics.aspx](http://www.fool.com/investing/options/options-the-basics.aspx).
- <sup>17</sup> “Options: A Foolish Introduction.” *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/investing/options/options-a-foolish-introduction.aspx](http://www.fool.com/investing/options/options-a-foolish-introduction.aspx).
- <sup>18</sup> Downey, Lucas. “Options Basics: How To Read An Options Table.” *Investopedia Articles*, Investopedia, LLC, [www.investopedia.com/university/options/option4.asp](http://www.investopedia.com/university/options/option4.asp).
- <sup>19</sup> Chen, James. “Time Value.” *Investopedia Terms*, Investopedia, LLC, 9 Feb. 2009, [www.investopedia.com/terms/t/timevalue.asp](http://www.investopedia.com/terms/t/timevalue.asp).
- <sup>20</sup> “FB Option Chain.” *Facebook, Inc. Stock*, Yahoo! Finance, 24 Dec. 2018, [finance.yahoo.com/quote/FB/options?p=FB&date=1545955200&straddle=true](http://finance.yahoo.com/quote/FB/options?p=FB&date=1545955200&straddle=true).
- <sup>21</sup> Gillies, Jim. “Options: The Basics II.” *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/investing/options/options-part-2.aspx](http://www.fool.com/investing/options/options-part-2.aspx).
- <sup>22</sup> “Covered Call.” *The Options Playbook*, Ally Invest Securities, LLC and Ally Financial Inc., [www.optionsplaybook.com/option-strategies/covered-call](http://www.optionsplaybook.com/option-strategies/covered-call).
- <sup>23</sup> “Protective Put.” *The Options Playbook*, Ally Invest Securities, LLC and Ally Financial Inc., [www.optionsplaybook.com/option-strategies/protective-put](http://www.optionsplaybook.com/option-strategies/protective-put).
- <sup>24</sup> “Short Straddle.” *The Options Playbook*, Ally Invest Securities, LLC and Ally Financial Inc., [www.optionsplaybook.com/option-strategies/short-straddle](http://www.optionsplaybook.com/option-strategies/short-straddle).
- <sup>25</sup> “Short Strangle.” *The Options Playbook*, Ally Invest Securities, LLC and Ally Financial Inc., [www.optionsplaybook.com/option-strategies/short-strangle](http://www.optionsplaybook.com/option-strategies/short-strangle).
- <sup>26</sup> projectoption. “Vertical Spread Trading: Implied Volatility & Profitability.” *YouTube*, YouTube, LLC, 26 July 2017, [www.youtube.com/watch?v=h0IaTQvoV7g](http://www.youtube.com/watch?v=h0IaTQvoV7g).
- <sup>27</sup> “A - Z List of Trading Strategies.” *Options Compared to Other Financial Instruments*, Optionstrading.org, [www.optionstrading.org/strategies/a-z-list](http://www.optionstrading.org/strategies/a-z-list).
- <sup>28</sup> Edited with Microsoft Paint 3D

## Chapter 22: Bonds & Interest Rates

- <sup>1</sup> McRitchie, James. “CSR Investments May Someday Drive CalPERS.” *Corporate Governance*, WordPress.org, 22 Oct. 2018, [www.corpgov.net/2018/10/csr-investments-may-someday-drive-calpers](http://www.corpgov.net/2018/10/csr-investments-may-someday-drive-calpers).
- <sup>2</sup> “What Is a Bond? A Way to Get Income & Stability.” *Vanguard Advisor’s Alpha*®, Valley Forge, Pa.: The Vanguard Group, 2016, [investor.vanguard.com/investing/investment/what-is-a-bond](http://investor.vanguard.com/investing/investment/what-is-a-bond).
- <sup>3</sup> “Zero Coupon Bonds.” *Fast Answers*, U.S. Securities and Exchange Commission, 29 Mar. 2010, [www.sec.gov/fast-answers/answerszerohtm.html](http://www.sec.gov/fast-answers/answerszerohtm.html).
- <sup>4</sup> “Zero-Coupon Bond.” *Bonds, Investing Answers*, InvestingAnswers, Inc., [investinganswers.com/financial-dictionary/bonds/zero-coupon-bond-859](http://investinganswers.com/financial-dictionary/bonds/zero-coupon-bond-859).
- <sup>5</sup> O’Hara, Neil. “Investment Tax Basics For All Investors.” *Investing Articles*, Investopedia, LLC, 30 Sept. 2018, 10:05 PM EDT, [www.investopedia.com/articles/investing/072313/investment-tax-basics-all-investors.asp](http://www.investopedia.com/articles/investing/072313/investment-tax-basics-all-investors.asp).
- <sup>6</sup> Kenny, Thomas. “Bond Credit Ratings.” *Corporate & High Yield Bond Investing*, The Balance, 29 Oct. 2018, [www.thebalance.com/what-are-bond-credit-ratings-417074](http://www.thebalance.com/what-are-bond-credit-ratings-417074).
- <sup>7</sup> “Bond Ratings.” *Fixed Income and Bonds*, Fidelity Learning Center, [www.fidelity.com/learning-center/investment-products/fixed-income-bonds/bond-ratings](http://www.fidelity.com/learning-center/investment-products/fixed-income-bonds/bond-ratings).
- <sup>8</sup> Short, Doug. *Putting Treasury Yields In Perspective*. Seeking Alpha, 31 Oct. 2011, 8:14 AM ET, [seekingalpha.com/article/303613-putting-treasury-yields-in-perspective](http://seekingalpha.com/article/303613-putting-treasury-yields-in-perspective).
- <sup>9</sup> Sun, Celine, PhD and Rachleff, Andy. “Stock Market Corrections: Not As Scary As You Think.” *Wealthfront Blogs*, Wealthfront, 11 May 2018, [blog.wealthfront.com/stock-market-corrections-not-as-scary-as-you-think](http://blog.wealthfront.com/stock-market-corrections-not-as-scary-as-you-think).
- <sup>10</sup> DeGrace, Thomas. “Stock Market Crash of 1929 Causes, Effects and Timeline.” *Stock Picks System Investment Services*, Stock Systems Inc., 19 Mar. 2011, [www.stockpickssystem.com/1929-stock-market-crash](http://www.stockpickssystem.com/1929-stock-market-crash).

- <sup>11</sup> Creger, Mark. "The Shape of the U.S. Treasury Yield Curve." *Texas CLASS*, Public Trust Advisors, LLC, 23 Apr. 2018, [www.texasclass.com/shape-u-s-treasury-yield-curve](http://www.texasclass.com/shape-u-s-treasury-yield-curve).
- <sup>12</sup> Mauldin, John. "Almost All Recessions Began 6 To 24 Months After The Yield Curve Inverted." *Forbes Magazine*, Forbes Media LLC, 1 May 2018, [www.forbes.com/sites/johnmauldin/2018/05/01/almost-all-recessions-began-6-to-24-months-after-the-yield-curve-inverted](http://www.forbes.com/sites/johnmauldin/2018/05/01/almost-all-recessions-began-6-to-24-months-after-the-yield-curve-inverted).
- <sup>13</sup> Light, Larry. "An Inverted Yield Curve Portends A Recession, But Guess What? Stocks Keep Climbing." *Forbes Magazine*, Forbes Media LLC, 11 July 2018, [www.forbes.com/sites/lawrencelight/2018/07/11/an-inverted-yield-curve-portends-a-recession-but-guess-what-stocks-keep-climbing](http://www.forbes.com/sites/lawrencelight/2018/07/11/an-inverted-yield-curve-portends-a-recession-but-guess-what-stocks-keep-climbing).
- <sup>14</sup> Oh, Sunny. "An Inverted Yield Curve Is a Recession Indicator, but Only in the U.S." *Market Extra*, MarketWatch, Inc., 7 May 2018, 4:07 PM ET, [www.marketwatch.com/story/an-inverted-yield-curve-is-a-recession-indicator-but-only-in-the-us-2018-05-07](http://www.marketwatch.com/story/an-inverted-yield-curve-is-a-recession-indicator-but-only-in-the-us-2018-05-07).
- <sup>15</sup> Kramer, Leslie. "What's the Difference between Primary and Secondary Capital Markets?" *Investopedia Questions and Answers*, Investopedia, LLC, 3 Jan. 2018, 3:38 PM EST, [www.investopedia.com/ask/answers/012615/whats-difference-between-primary-and-secondary-capital-markets.asp](http://www.investopedia.com/ask/answers/012615/whats-difference-between-primary-and-secondary-capital-markets.asp).
- <sup>16</sup> Morah, Chizoba. "Why Are Most Bonds Traded on the Secondary Market 'over the Counter'?" *Questions and Answers*, Investopedia, LLC, 2 Apr. 2018, 4:32 PM EDT, [www.investopedia.com/ask/answers/09/bond-over-the-counter.asp](http://www.investopedia.com/ask/answers/09/bond-over-the-counter.asp).
- <sup>17</sup> "Basis Point (BPS)." *Investopedia Terms*, Investopedia, LLC, [www.investopedia.com/terms/b/basispoint.asp](http://www.investopedia.com/terms/b/basispoint.asp).
- <sup>18</sup> Wooten, John. "Bond Investors Beware - Callable Bonds." *YouTube*, YouTube, LLC, 2 Dec. 2018, [www.youtube.com/watch?v=pNFBuffqv8k](http://www.youtube.com/watch?v=pNFBuffqv8k).
- <sup>19</sup> Conley, Paul. "Understanding Callable Bonds." *The Risks and Rewards of Bonds that Can be Redeemed Early*, The Balance, 28 Nov. 2018, [www.thebalance.com/understanding-callable-bonds-417110](http://www.thebalance.com/understanding-callable-bonds-417110).
- <sup>20</sup> Chen, James. "Callable Bond." *Investopedia Terms*, Investopedia, LLC, 1 Dec. 2017, [www.investopedia.com/terms/c/callablebond.asp](http://www.investopedia.com/terms/c/callablebond.asp).
- <sup>21</sup> "What Is a Callable Bond? - TheStreet Definition." *TheStreet*, TheStreet, Inc., [www.thestreet.com/topic/46181/callable-bond.html](http://www.thestreet.com/topic/46181/callable-bond.html).
- <sup>22</sup> Bennyhoff, Donald G., CFA®; Donaldson, Scott J., CFA®, CFP®; and Tolani, Ravi G. "A topic of current interest: Bonds or bond funds?" *Vanguard Research*, The Vanguard Group, Inc., Dec. 2012, [personal.vanguard.com/pdf/s354.pdf](http://personal.vanguard.com/pdf/s354.pdf).
- <sup>23</sup> XTB. "Are You Aware of the Risks of Investing in Fixed Income ETFs?" *YouTube*, YouTube, LLC, 13 Feb. 2017, [www.youtube.com/watch?v=N1iGwvNpLPo](http://www.youtube.com/watch?v=N1iGwvNpLPo).
- <sup>24</sup> BondSavvy. "How Bond Fund Investing Reduces Investment Returns." *YouTube*, YouTube, LLC, 15 Jan. 2018, [www.youtube.com/watch?v=HAYEDjKR4SU](http://www.youtube.com/watch?v=HAYEDjKR4SU).
- <sup>25</sup> BondSavvy. "Corporate Bond Investing Basics." *YouTube*, YouTube, LLC, 13 July 2017, [www.youtube.com/watch?v=yMYS8t2QazU](http://www.youtube.com/watch?v=yMYS8t2QazU).
- <sup>26</sup> BondSavvy. "How To Invest in Corporate Bonds." *YouTube*, YouTube, LLC, 16 Nov. 2017, [www.youtube.com/watch?v=75Ib7MbOYL8](http://www.youtube.com/watch?v=75Ib7MbOYL8).
- <sup>27</sup> Chen, James. "Yield to Maturity (YTM)." *Investopedia Terms*, Investopedia, LLC, 15 Nov. 2018, [www.investopedia.com/terms/y/yieldtomaturity.asp](http://www.investopedia.com/terms/y/yieldtomaturity.asp).
- <sup>28</sup> Ness, Rick Van. "Bond Basics 5: Bonds? Or A Bond Fund?" *YouTube*, YouTube, LLC, 12 Mar. 2014, [www.youtube.com/watch?v=F\\_boP9bu5Bw](http://www.youtube.com/watch?v=F_boP9bu5Bw).
- <sup>29</sup> Adrian, Tobias; Fleming, Michael; Shachar, Or; and Vogt, Erik. "Market Liquidity after the Financial Crisis." *Federal Reserve Bank of New York Staff Reports*, U.S. Federal Reserve System, June 2017, [www.newyorkfed.org/medialibrary/media/research/staff\\_reports/sr796.pdf](http://www.newyorkfed.org/medialibrary/media/research/staff_reports/sr796.pdf).
- <sup>30</sup> "FTBFX Interactive Stock Chart." *Fidelity Total Bond Fund Stock*, Yahoo! Finance, [finance.yahoo.com/chart/FTBFX](http://finance.yahoo.com/chart/FTBFX). Add \$NERYX and \$VBMFX comparisons.
- <sup>31</sup> "Moody's Seasoned Aaa Corporate Bond Yield." *FRED Economic Research*, Federal Reserve Bank of St. Louis, 2 Jan. 2019, [fred.stlouisfed.org/series/AAA](http://fred.stlouisfed.org/series/AAA).
- <sup>32</sup> "Moody's Seasoned Baa Corporate Bond Yield." *FRED Economic Research*, Federal Reserve Bank of St. Louis, 2 Jan. 2019, [fred.stlouisfed.org/series/BAA](http://fred.stlouisfed.org/series/BAA).
- <sup>33</sup> "20-Year Treasury Constant Maturity Rate." *FRED Economic Research*, Federal Reserve Bank of St. Louis, 2 Jan. 2019, [fred.stlouisfed.org/series/GS20](http://fred.stlouisfed.org/series/GS20).
- <sup>34</sup> From January 1, 1987 to September 1, 1993, historic 20-year US Treasury rates are unavailable from federal data sources. Equally-weighted averages between 10 and 30-year yields are used instead.
- <sup>35</sup> "Daily Treasury Yield Curve Rates." *Resource Center*, U.S. Department of the Treasury, 23 Jan. 2019, [www.treasury.gov/resource-center/data-chart-center/interest-rates/pages/TextView.aspx?data=yieldAll](http://www.treasury.gov/resource-center/data-chart-center/interest-rates/pages/TextView.aspx?data=yieldAll).
- <sup>36</sup> "10 Year Treasury Rate by Month." *multpl*, multpl.com, 23 Jan. 2019, [www.multpl.com/10-year-treasury-rate/table/by-month](http://www.multpl.com/10-year-treasury-rate/table/by-month).
- <sup>37</sup> "U.S. 30 Year Treasury (US30Y:U.S.)." *CNBC*, CNBC LLC, a Division of NBCUniversal, 24 Jan. 2019, 5:23 AM EST, [www.cnbc.com/quotes/?symbol=US30Y](http://www.cnbc.com/quotes/?symbol=US30Y).
- <sup>38</sup> "30 Year Treasury Rate - 39 Year Historical Chart." *Macrotrends*, Macrotrends LLC, 22 Jan. 2019, [www.macrotrends.net/2521/30-year-treasury-bond-rate-yield-chart](http://www.macrotrends.net/2521/30-year-treasury-bond-rate-yield-chart).
- <sup>39</sup> "Consumer Price Index Data from 1913 to 2018." *US Inflation Calculator*, CoinNews Media Group LLC, 11 Jan. 2019, [www.usinflationcalculator.com/inflation/consumer-price-index-and-annual-percent-changes-from-1913-to-2008](http://www.usinflationcalculator.com/inflation/consumer-price-index-and-annual-percent-changes-from-1913-to-2008).
- <sup>40</sup> "Corporate Bond Yield Curve Papers and Data." *Resource Center*, U.S. Department of the Treasury, Dec. 2018, [www.treasury.gov/resource-center/economic-policy/corp-bond-yield/Pages/Corp-Yield-Bond-Curve-Papers.aspx](http://www.treasury.gov/resource-center/economic-policy/corp-bond-yield/Pages/Corp-Yield-Bond-Curve-Papers.aspx). See HQM Corporate Bond Yield Curve Par Yields: 1984-Present.
- <sup>41</sup> Approximate 20-year HQM corporate yields calculated with an equally-weighted average between 10 and 30-year yields.
- <sup>42</sup> Kam, Ken. "How Rising Interest Rates Are Driving Bond Funds Down." *Forbes Magazine*, Forbes Media LLC, 26 Apr. 2018, 12:20 PM, [www.forbes.com/sites/kenkam/2018/04/26/how-rising-interest-rates-are-driving-bond-funds-down](http://www.forbes.com/sites/kenkam/2018/04/26/how-rising-interest-rates-are-driving-bond-funds-down).

<sup>43</sup> Vazza, Diane; Kraemer, Nick W.; Richhariya, Nivritti Mishra; Bhalla, Prachi; Debnath, Abhik; Gopinathan, Praveen; and Dohadwala, Aliasger. “2016 Annual Global Corporate Default Study And Rating Transitions.” *S&P Global Ratings – RatingsDirect® Research*, Standard & Poor's Financial Services LLC and S&P Global, Inc., 13 Apr. 2017, [www.spratings.com/documents/20184/774196/2016+Annual+Global+Corporate+Default+Study+And+Rating+Transitions.pdf/2ddcf9dd-3b82-4151-9dab-8e3fc70a7035](http://www.spratings.com/documents/20184/774196/2016+Annual+Global+Corporate+Default+Study+And+Rating+Transitions.pdf/2ddcf9dd-3b82-4151-9dab-8e3fc70a7035).

## Chapter 23: Charts Expanded

<sup>1</sup> “BIDU Interactive Stock Chart.” *Baidu, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/BIDU](http://finance.yahoo.com/chart/BIDU).

<sup>2</sup> Dilger, Daniel Eran. “Why Apple, Inc decided to split its stock 7-1.” *Apple Insider*, Quiller Media, Inc., 29 Apr. 2014, 11:13 AM ET, [appleinsider.com/articles/14/04/29/why-apple-inc-decided-to-split-its-stock-7-1-](http://appleinsider.com/articles/14/04/29/why-apple-inc-decided-to-split-its-stock-7-1-).

<sup>3</sup> Wooten, John. “Technical Analysis Wednesdays 1: Charts—the Gateway to Technical Analysis (Introduction to Charts).” *YouTube*, YouTube, LLC, 26 Apr. 2018, [www.youtube.com/watch?v=4-6qVWY-evQ](http://www.youtube.com/watch?v=4-6qVWY-evQ).

<sup>4</sup> Wooten, John et al. “Does a split or a reverse split change the value of your investment?” *Quora*, Quora, Inc., 24 June 2017, [www.quora.com/Does-a-split-or-a-reverse-split-change-the-value-of-your-investment](http://www.quora.com/Does-a-split-or-a-reverse-split-change-the-value-of-your-investment).

<sup>5</sup> Staff, Investopedia. “Understanding Stock Splits.” *Investopedia Articles*, Investopedia, LLC, 30 Oct. 2017, [www.investopedia.com/articles/01/072501.asp](http://www.investopedia.com/articles/01/072501.asp).

<sup>6</sup> Haring, Bob. “The Minimum Stock Price for the NYSE.” *Zacks*, Zacks Investment Research, [finance.zacks.com/minimum-stock-price-nyse-5116.html](http://finance.zacks.com/minimum-stock-price-nyse-5116.html).

<sup>7</sup> Merritt, Cam. “Is a Reverse Stock Split Good or Bad?” *Zacks*, Zacks Investment Research, 19 May 2018, [finance.zacks.com/reverse-stock-split-good-bad-2298.html](http://finance.zacks.com/reverse-stock-split-good-bad-2298.html).

<sup>8</sup> Duggan, Wayne. “What Stock Splits And Reverse Stock Splits Mean For Traders.” *Lightspeed*, Lime Brokerage LLC, 3 Nov. 2017, [www.lightspeed.com/active-trading-blog/stock-splits-reverse-stock-splits-mean-traders](http://www.lightspeed.com/active-trading-blog/stock-splits-reverse-stock-splits-mean-traders).

<sup>9</sup> “How does Yahoo finance adjust stock data for splits and dividends?” *Stack Exchange*, Stack Exchange Inc, [money.stackexchange.com/questions/44142/how-does-yahoo-finance-adjust-stock-data-for-splits-and-dividends](http://money.stackexchange.com/questions/44142/how-does-yahoo-finance-adjust-stock-data-for-splits-and-dividends).

<sup>10</sup> “WMT Interactive Stock Chart.” *Walmart Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/WMT](http://finance.yahoo.com/chart/WMT).

<sup>11</sup> “WMT.” *Summary for Walmart Inc.*, Yahoo! Finance, 29 Dec. 2018, [finance.yahoo.com/quote/WMT](http://finance.yahoo.com/quote/WMT).

<sup>12</sup> “GE Interactive Stock Chart.” *General Electric Company Stock*, Yahoo! Finance, [finance.yahoo.com/chart/GE](http://finance.yahoo.com/chart/GE).

<sup>13</sup> “Percentage Gain Calculator.” *ConvertALot*, Colin Allchin, [www.convertalot.com/percentage\\_gain\\_calculator.html](http://www.convertalot.com/percentage_gain_calculator.html).

<sup>14</sup> “2017 Annual Report.” *Investor Relations*, General Electric Company, 23 Feb. 2018, [www.ge.com/investor-relations/sites/default/files/GE\\_AR17.pdf](http://www.ge.com/investor-relations/sites/default/files/GE_AR17.pdf).

<sup>15</sup> “Warren Buffett.” *Wikiquote*, The Wikimedia Foundation, Inc., 17 Dec. 2018, 12:04 UTC, [en.wikiquote.org/wiki/Warren\\_Buffett](http://en.wikiquote.org/wiki/Warren_Buffett).

<sup>16</sup> Rosenberg, Eric. “When Timing the Market Can Actually Work” *Understanding Stocks*, The Balance, 29 Oct. 2018, [www.thebalance.com/how-timing-the-market-works-4147362](http://www.thebalance.com/how-timing-the-market-works-4147362).

<sup>17</sup> Chen, James. “VIX - CBOE Volatility Index” *Investopedia Terms*, Investopedia, LLC, 24 Oct. 2018, [www.investopedia.com/terms/v/vix.asp](http://www.investopedia.com/terms/v/vix.asp).

<sup>18</sup> “CBOE VIX White Paper” *Chicago Board Options Exchange*, Cboe Exchange, Inc., [www.cboe.com/micro/vix/vixwhite.pdf](http://www.cboe.com/micro/vix/vixwhite.pdf). Learn more about finding implied volatility from stock prices at [www.khanacademy.org/economics-finance-domain/core-finance/derivative-securities/black-scholes/v/introduction-to-the-black-scholes-formula](http://www.khanacademy.org/economics-finance-domain/core-finance/derivative-securities/black-scholes/v/introduction-to-the-black-scholes-formula).

<sup>19</sup> “^VIX Interactive Stock Chart.” *CBOE Volatility Index Stock*, Yahoo! Finance, [finance.yahoo.com/chart/%5EVIX](http://finance.yahoo.com/chart/%5EVIX).

<sup>20</sup> “What Does Float Mean (in Stocks)? - TheStreet Definition.” *TheStreet*, TheStreet, Inc., [www.thestreet.com/topic/46442/float.html](http://www.thestreet.com/topic/46442/float.html).

<sup>21</sup> “Exchanges and data providers on Yahoo Finance.” *Yahoo! Help*, Yahoo! Finance, [help.yahoo.com/kb/finance-for-web/SLN2310.html](http://help.yahoo.com/kb/finance-for-web/SLN2310.html).

<sup>22</sup> “WMT Earnings Date” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/earnings/report/wmt](http://www.nasdaq.com/earnings/report/wmt).

<sup>23</sup> “WMT Income Statement.” *Walmart Inc. Stock*, Yahoo! Finance, 5 Jan. 2019, [finance.yahoo.com/quote/WMT/financials](http://finance.yahoo.com/quote/WMT/financials).

<sup>24</sup> “WMT Key Statistics.” *Walmart Inc. Stock*, Yahoo! Finance, 5 Jan. 2019, [finance.yahoo.com/quote/WMT/key-statistics](http://finance.yahoo.com/quote/WMT/key-statistics).

<sup>25</sup> Staff, Investopedia. “Short interest: What it tells us.” *Investopedia Articles*, Investopedia, LLC, 5 Aug. 2018, [www.investopedia.com/articles/01/082201.asp](http://www.investopedia.com/articles/01/082201.asp).

<sup>26</sup> “Visa Inc. Form 10-K.” *SEC Archives*, U.S. Securities and Exchange Commission, 15 Nov. 2012, [www.sec.gov/Archives/edgar/data/1403161/000138410812000011/v09301210-k.htm](http://www.sec.gov/Archives/edgar/data/1403161/000138410812000011/v09301210-k.htm).

<sup>27</sup> Chen, James. “Annual General Meeting - AGM.” *Investopedia Terms*, Investopedia, LLC, 28 Mar. 2018, [www.investopedia.com/terms/a/agm.asp](http://www.investopedia.com/terms/a/agm.asp).

<sup>28</sup> Azrak, Elias et al. “How many publicly traded companies are in the world?” *Quora*, Quora, Inc., [www.quora.com/How-many-publicly-traded-companies-are-in-the-world](http://www.quora.com/How-many-publicly-traded-companies-are-in-the-world).

<sup>29</sup> Kenton, Will. “Dividend Payout Ratio.” *Investopedia Terms*, Investopedia, LLC, 22 May 2018, [www.investopedia.com/terms/d/dividendpayoutratio.asp](http://www.investopedia.com/terms/d/dividendpayoutratio.asp).

## Chapter 24: Draw on Your Charts

<sup>1</sup> Wooten, John. “Technical Analysis Wednesdays 2: Building Baselines for Trend Line Analysis (Support and Resistance).” *YouTube*, YouTube, LLC, 3 May 2018, [www.youtube.com/watch?v=OorZcltoaHE](http://www.youtube.com/watch?v=OorZcltoaHE).

<sup>2</sup> “MU Interactive Stock Chart.” *Micron Technology, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/MU](http://finance.yahoo.com/chart/MU).

<sup>3</sup> “TIK Interactive Stock Chart.” *Tel-Instrument Electronics Corp. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/TIK](http://finance.yahoo.com/chart/TIK).

<sup>4</sup> “TIK Extended Hours.” *TIK Premarket Quote and Chart*, Stock Market Watch, [thestockmarketwatch.com/stock/premarketQuote.aspx?stock=TIK](http://thestockmarketwatch.com/stock/premarketQuote.aspx?stock=TIK).

<sup>5</sup> “Forex Support and Resistance.” *Learn Support and Resistance Levels*, BabyPips.com, [www.babypips.com/learn/forex/support-and-resistance](http://www.babypips.com/learn/forex/support-and-resistance).

<sup>6</sup> “NKE Interactive Stock Chart.” *NIKE, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/NKE](http://finance.yahoo.com/chart/NKE).

## Chapter 25: Trendlines

<sup>1</sup> “SHOP Interactive Stock Chart.” *Shopify Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/SHOP](http://finance.yahoo.com/chart/SHOP).

<sup>2</sup> “ABB Interactive Stock Chart.” *ABB Ltd Stock*, Yahoo! Finance, [finance.yahoo.com/chart/ABB](http://finance.yahoo.com/chart/ABB).

<sup>3</sup> “SJM Interactive Stock Chart.” *The J. M. Smucker Company Stock*, Yahoo! Finance, [finance.yahoo.com/chart/SJM](http://finance.yahoo.com/chart/SJM).

<sup>4</sup> “Smucker Brands.” *Smucker's*, The J.M. Smucker Company, [www.jmsmucker.com/jm-smucker-brands](http://www.jmsmucker.com/jm-smucker-brands).

## Chapter 26: Triangles and Wedges

<sup>1</sup> “MU Interactive Stock Chart.” *Micron Technology, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/MU](http://finance.yahoo.com/chart/MU).

<sup>2</sup> “AAPL Interactive Stock Chart.” *Apple Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/AAPL](http://finance.yahoo.com/chart/AAPL).

<sup>3</sup> “Falling Wedge (Reversal).” *StockCharts*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:chart\\_analysis:chart\\_patterns:falling\\_wedge\\_reversal](http://stockcharts.com/school/doku.php?id=chart_school:chart_analysis:chart_patterns:falling_wedge_reversal).

<sup>4</sup> “Rising Wedge (Reversal).” *StockCharts.com*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:chart\\_analysis:chart\\_patterns:rising\\_wedge\\_reversal](http://stockcharts.com/school/doku.php?id=chart_school:chart_analysis:chart_patterns:rising_wedge_reversal).

<sup>5</sup> “ADIL Interactive Stock Chart.” *Adial Pharmaceuticals, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/ADIL](http://finance.yahoo.com/chart/ADIL).

<sup>6</sup> “LITE Interactive Stock Chart.” *Lumentum Holdings Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/LITE](http://finance.yahoo.com/chart/LITE).

<sup>7</sup> Staff, Investopedia. “Analyzing Chart Patterns: The Wedge.” *Investopedia Chart University*, Investopedia, LLC, [www.investopedia.com/university/charts/charts7.asp](http://www.investopedia.com/university/charts/charts7.asp).

<sup>8</sup> Wooten, John. “Technical Analysis Wednesdays 3: ABCDs to Upward Wedges (Intro. to Complex Patterns and Setups).” *YouTube*, YouTube, LLC, 11 May 2018, [www.youtube.com/watch?v=5QQI6aBgkhY](http://www.youtube.com/watch?v=5QQI6aBgkhY).

<sup>9</sup> Staff, Investopedia. “Analyzing Chart Patterns: Triangles.” *Investopedia Chart University*, Investopedia, LLC, [www.investopedia.com/university/charts/charts5.asp](http://www.investopedia.com/university/charts/charts5.asp).

<sup>10</sup> “V Interactive Stock Chart.” *Visa Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/V](http://finance.yahoo.com/chart/V).

<sup>11</sup> Reinkensmeyer, Blain. “Symmetrical Triangle Example, Visa (V).” *StockTrader.com*, Reink Media Group, 27 June 2011, [www.stocktrader.com/2008/09/03/symmetrical-triangle-example-2-visa-v](http://www.stocktrader.com/2008/09/03/symmetrical-triangle-example-2-visa-v).

<sup>12</sup> “XRP/USD Price Quote [Bittrex].” *Professional Bitcoin & Cryptocurrency Trading Platform*, Coinigy Inc., [www.coinigy.com/main/markets/BTRX/XRP/USD](http://www.coinigy.com/main/markets/BTRX/XRP/USD).

## Chapter 27: Consolidation and Flags

<sup>1</sup> Staff, Investopedia. “Analyzing Chart Patterns: Flags And Pennants.” *Investopedia Chart University*, Investopedia, LLC, [www.investopedia.com/university/charts/charts6.asp](http://www.investopedia.com/university/charts/charts6.asp).

<sup>2</sup> “How to Trade Flag Patterns.” *SpeedTrader*, Stock USA Execution Services, Inc. and Mint Global Markets, Inc., [speedtrader.com/how-to-trade-flag-patterns](http://speedtrader.com/how-to-trade-flag-patterns).



## Chapter 28: The ABCD Setup

<sup>1</sup> InvestorsLive. “ABCD Chart - The Pattern That Made Me Over \$100,000 in Profits.” *Investors Underground*, InvestorsLive, LLC, 23 Feb. 2015, [www.investorsunderground.com/the-chart-pattern-that-made-me-over-100000-in-trading-profits](http://www.investorsunderground.com/the-chart-pattern-that-made-me-over-100000-in-trading-profits). Reference image

<sup>2</sup> Made in Microsoft Paint.

<sup>3</sup> “CRON Interactive Stock Chart.” *Cronos Group Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/CRON](http://finance.yahoo.com/chart/CRON).

<sup>4</sup> “Cup and Handle.” *Investopedia Terms*, Investopedia, [www.investopedia.com/terms/c/cupandhandle.asp](http://www.investopedia.com/terms/c/cupandhandle.asp).

## Chapter 29: The Head-and-Shoulders Setup

<sup>1</sup> Mitchell, Cory. “How to Trade the Head and Shoulders Pattern.” *Investopedia Technical*, Investopedia, 5 Aug. 2018, 9:19 AM EDT, [www.investopedia.com/articles/technical/121201.asp](http://www.investopedia.com/articles/technical/121201.asp).

<sup>2</sup> Made in Microsoft Paint.

## Chapter 30: Candlestick Setups

<sup>1</sup> Pines, Lawrence. *Hammer Candlestick Chart Pattern*. Commodity.com LLC, [commodity.com/technical-analysis/hammer](http://commodity.com/technical-analysis/hammer).

<sup>2</sup> TradeWithTrend. “Hammer Candlestick Patterns - Technical Analysis.” *YouTube*, YouTube, LLC, 25 Apr. 2018, [www.youtube.com/watch?v=7Xzt4qiIE1M](http://www.youtube.com/watch?v=7Xzt4qiIE1M).

<sup>3</sup> “Candlestick Chart Patterns - 5 Popular Patterns You Need to Know.” *SpeedTrader*, Mint Global Markets, Inc., [speedtrader.com/5-popular-candlestick-patterns-explained](http://speedtrader.com/5-popular-candlestick-patterns-explained).

<sup>4</sup> Boat, Forex. “Live Trading Example 16 - Forex Channel & Hammer Candlestick.” *YouTube*, YouTube, LLC, 12 Apr. 2017, [www.youtube.com/watch?v=3iAauJePbBk](http://www.youtube.com/watch?v=3iAauJePbBk).

<sup>5</sup> “Additional Tools: Candlesticks With Bollinger Bands.” *Bollinger Bands Essentials*, TradeSmart University LLC, [www.tradesmartu.com/external/files/bollinger-bands/bollinger-bands-essentials-3.pdf](http://www.tradesmartu.com/external/files/bollinger-bands/bollinger-bands-essentials-3.pdf).

## Chapter 31: Moving Averages and MACD

<sup>1</sup> “Moving Average - MA.” *Investopedia Terms*, Investopedia, LLC, [www.investopedia.com/terms/m/movingaverage.asp](http://www.investopedia.com/terms/m/movingaverage.asp).

<sup>2</sup> Wooten, John. “Technical Analysis Wednesdays 4: Moving Averages to RSI—Why They Matter (Technical Indicators).” *YouTube*, YouTube, LLC, 21 May 2018, [www.youtube.com/watch?v=nuHkILqvKDw](http://www.youtube.com/watch?v=nuHkILqvKDw).

<sup>3</sup> “TSLA Interactive Stock Chart.” *Tesla, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/TSLA](http://finance.yahoo.com/chart/TSLA).

<sup>4</sup> “EBAY Interactive Stock Chart.” *eBay Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/EBAY](http://finance.yahoo.com/chart/EBAY).

<sup>5</sup> Staff, Investopedia. “Death Cross.” *Investopedia Terms*, Investopedia, LLC, 23 July 2018, [www.investopedia.com/terms/d/deathcross.asp](http://www.investopedia.com/terms/d/deathcross.asp).

<sup>6</sup> “^GSPC Interactive Stock Chart.” *S&P 500 Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^GSPC](http://finance.yahoo.com/chart/^GSPC).

<sup>7</sup> Nath, Trevor. “Golden Cross: What Is It, And Should Investors Watch It?” *NASDAQ.com*, Nasdaq, Inc., 13 May 2016, 10:56:46 AM EDT, [www.nasdaq.com/article/golden-cross-what-is-it-and-should-investors-watch-it-cm620734](http://www.nasdaq.com/article/golden-cross-what-is-it-and-should-investors-watch-it-cm620734).

<sup>8</sup> O’Loughlin, Eugene. “How To... Calculate a Weighted Moving Average in Excel 2010.” *YouTube*, YouTube, LLC, 5 Mar. 2012, [www.youtube.com/watch?v=-ZsrkI0OsEw](http://www.youtube.com/watch?v=-ZsrkI0OsEw).

<sup>9</sup> “Moving Averages - Simple and Exponential.” *StockCharts.com*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:technical\\_indicators:moving\\_averages](http://stockcharts.com/school/doku.php?id=chart_school:technical_indicators:moving_averages).

<sup>10</sup> “XEC Interactive Stock Chart.” *Cimarex Energy Co. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/XEC](http://finance.yahoo.com/chart/XEC).

<sup>11</sup> “Technical Tools for Traders: Moving Averages, Measure Market Fluctuations.” *Learn Trading Tools and Strategies*, OANDA Corporation, [www.oanda.com/forex-trading/learn/trading-tools-strategies/moving-averages](http://www.oanda.com/forex-trading/learn/trading-tools-strategies/moving-averages).

<sup>12</sup> “Moving Average Deviation.” *Stock Doctor Help*, Lincoln Indicators Pty Ltd, [help.stockdoctor.com.au/hc/en-us/articles/360000099836-Moving-Average-Deviation](http://help.stockdoctor.com.au/hc/en-us/articles/360000099836-Moving-Average-Deviation).

<sup>13</sup> “AAPL Interactive Stock Chart.” *Apple Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/AAPL](http://finance.yahoo.com/chart/AAPL).

- <sup>14</sup> “What Is MACD? - Moving Average Convergence/Divergence .” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/trading-investing/technical-analysis/technical-indicator-guide/macd](http://www.fidelity.com/learning-center/trading-investing/technical-analysis/technical-indicator-guide/macd).
- <sup>15</sup> “Moving Average Convergence Divergence (MACD).” *Investors Underground: Technical Indicators*, InvestorsLive, LLC, [www.investorsunderground.com/technical-indicators/macd-moving-average-convergence-divergence](http://www.investorsunderground.com/technical-indicators/macd-moving-average-convergence-divergence).
- <sup>16</sup> Maverick, J.B. “What Is the Moving Average Convergence Divergence (MACD) Formula, and How Is It Calculated?” *Investopedia Questions and Answers*, Investopedia, LLC, 23 Aug. 2018, [www.investopedia.com/ask/answers/122414/what-moving-average-convergence-divergence-macd-formula-and-how-it-calculated.asp](http://www.investopedia.com/ask/answers/122414/what-moving-average-convergence-divergence-macd-formula-and-how-it-calculated.asp).
- <sup>17</sup> “SIX Interactive Stock Chart.” *Six Flags Entertainment Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/SIX](http://finance.yahoo.com/chart/SIX).
- <sup>18</sup> Trading, Warrior. “Behind the Trades The Metrics of Profitable Trader Ep. 8.” *YouTube*, YouTube, LLC, 16 June 2017, [www.youtube.com/watch?v=2NViTsWfQAo](http://www.youtube.com/watch?v=2NViTsWfQAo).

## Chapter 32: RSI, Stochastics, and Bollinger Bands

- ® Bollinger Bands is a registered trademark of their developer John Bollinger. Learn more at [www.BollingerBands.com](http://www.BollingerBands.com)
- <sup>1</sup> “Relative Strength Index (RSI).” *StockCharts.com ChartSchool - Technical Indicators and Overlays*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:technical\\_indicators:relative\\_strength\\_index\\_rsi](http://stockcharts.com/school/doku.php?id=chart_school:technical_indicators:relative_strength_index_rsi).
- <sup>2</sup> “Relative Strength Index (RSI).” *CNS Classes*, Thomson Financial, [cns.bu.edu/~gsc/CN710/fincast/Technical\\_indicators/Relative Strength Index \(RSI\).htm](http://cns.bu.edu/~gsc/CN710/fincast/Technical_indicators/Relative%20Strength%20Index%20(RSI).htm).
- <sup>3</sup> Insights, Schwab Trading. “Relative Strength Index (RSI).” *Schwab Research & Analyze*, Charles Schwab & Co., Inc., [www.schwab.com/active-trader/insights/content/relative-strength-index-rsi](http://www.schwab.com/active-trader/insights/content/relative-strength-index-rsi).
- <sup>4</sup> “Introduction to Technical Indicators and Oscillators.” *StockCharts.com ChartSchool - Technical Indicators and Overlays*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., 13 Nov. 2017, [stockcharts.com/school/doku.php?id=chart\\_school:technical\\_indicators:introduction\\_to\\_technical\\_indicators\\_and\\_oscillators#momentum\\_oscillators](http://stockcharts.com/school/doku.php?id=chart_school:technical_indicators:introduction_to_technical_indicators_and_oscillators#momentum_oscillators).
- <sup>5</sup> “TOL Interactive Stock Chart.” *Toll Brothers, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/TOL](http://finance.yahoo.com/chart/TOL).
- <sup>6</sup> UKspreadbetting. “6 Ways to Use the RSI (Relative Strength Index).” *YouTube*, YouTube, LLC, 12 Apr. 2018, [www.youtube.com/watch?v=wbz5dvY64MQ](http://www.youtube.com/watch?v=wbz5dvY64MQ).
- <sup>7</sup> “MCD Interactive Stock Chart.” *McDonald's Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/MCD](http://finance.yahoo.com/chart/MCD).
- <sup>8</sup> Staff, Investopedia. “Stochastics: An Accurate Buy and Sell Indicator.” *Investopedia Technical*, Investopedia, LLC, 5 Dec. 2018, [www.investopedia.com/articles/technical/073001.asp](http://www.investopedia.com/articles/technical/073001.asp).
- <sup>9</sup> “Stochastic Oscillator.” *StockCharts.com ChartSchool - Technical Indicators and Overlays*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:technical\\_indicators:stochastic\\_oscillator\\_fast\\_slow\\_and\\_full](http://stockcharts.com/school/doku.php?id=chart_school:technical_indicators:stochastic_oscillator_fast_slow_and_full).
- <sup>10</sup> “NWL Interactive Stock Chart.” *Newell Brands Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/NWL](http://finance.yahoo.com/chart/NWL).
- <sup>11</sup> Rolf. “Learn How To Use The Stochastic Indicator Step By Step.” *Tradeciety Trading Academy*, Quantum Trade Solutions GmbH, [www.tradeciety.com/how-to-use-the-stochastic-indicator](http://www.tradeciety.com/how-to-use-the-stochastic-indicator).
- <sup>12</sup> “Stochastic Oscillators Pros and Cons Explained.” *Investors Underground*, InvestorsLive, LLC, [www.investorsunderground.com/technical-indicators/stochastic-oscillator](http://www.investorsunderground.com/technical-indicators/stochastic-oscillator).
- <sup>13</sup> “FLWS Interactive Stock Chart.” *1-800-FLOWERS.COM, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/FLWS](http://finance.yahoo.com/chart/FLWS).
- <sup>14</sup> “Slow Stochastic.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/trading-investing/technical-analysis/technical-indicator-guide/slow-stochastic](http://www.fidelity.com/learning-center/trading-investing/technical-analysis/technical-indicator-guide/slow-stochastic).
- <sup>15</sup> “EUR/USD Chart - Euro Dollar Rate.” *TradingView*, TradingView Inc., [www.tradingview.com/symbols/EURUSD](http://www.tradingview.com/symbols/EURUSD).
- <sup>16</sup> Jon, Morgan. “Is StochRSI Indicator More Accurate than Stochastic?” *Quora*, Quora, Inc., [www.quora.com/Is-StochRSI-indicator-more-accurate-than-Stochastic](http://www.quora.com/Is-StochRSI-indicator-more-accurate-than-Stochastic).
- <sup>17</sup> “Bollinger Bands (BB).” *Technical Analysis and Trading Ideas*, TradingView Inc., [www.tradingview.com/ideas/bollingerbands](http://www.tradingview.com/ideas/bollingerbands).
- <sup>18</sup> “Definition of ‘Bollinger Bands.’” *The Economic Times*, Bennett, Coleman & Co. Ltd., [economictimes.indiatimes.com/definition/bollinger-bands](http://economictimes.indiatimes.com/definition/bollinger-bands).
- <sup>19</sup> Mitchell, Cory. “Ultimate Guide to Bollinger Bands.” *TraderHQ.com*, Mitre Media, 4 June 2014, [traderhq.com/ultimate-guide-to-bollinger-bands](http://traderhq.com/ultimate-guide-to-bollinger-bands).
- <sup>20</sup> News, Active Trader. “The Bollinger Band Indicator Suggests Caution for Stocks over the Short Term.” *A Trading Signal*, FMR LLC and Fidelity Brokerage Services LLC, 14 Mar. 2017, [www.fidelity.com/viewpoints/active-investor/understanding-bollinger-bands](http://www.fidelity.com/viewpoints/active-investor/understanding-bollinger-bands).
- <sup>21</sup> “UKOIL Charts and Quotes.” *TradingView*, TradingView Inc., [www.tradingview.com/symbols/UKOIL](http://www.tradingview.com/symbols/UKOIL).
- <sup>22</sup> Teo, Rayner. “The Bollinger Bands Trading Strategy Guide.” *TradingwithRayner*, TradingwithRayner.com, 15 Mar. 2018, [www.tradingwithrayner.com/bollinger-bands-trading-strategy](http://www.tradingwithrayner.com/bollinger-bands-trading-strategy).
- <sup>23</sup> “BB Interactive Stock Chart.” *BlackBerry Limited Stock*, Yahoo! Finance, [finance.yahoo.com/chart/BB](http://finance.yahoo.com/chart/BB).

- <sup>24</sup> “What Are Bollinger Bands?” *Corporate Finance Institute Trading and Investing*, CFI Education Inc., [corporatefinanceinstitute.com/resources/knowledge/trading-investing/bollinger-bands](http://corporatefinanceinstitute.com/resources/knowledge/trading-investing/bollinger-bands).
- <sup>25</sup> “Bollinger Bands.” *StockCharts.com ChartSchool - Technical Indicators and Overlays*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:technical\\_indicators:bollinger\\_bands](http://stockcharts.com/school/doku.php?id=chart_school:technical_indicators:bollinger_bands).
- <sup>26</sup> “XOM - Exxon Mobil Corp.” *StockCharts.com*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/h-sc/ui?s=xom](http://stockcharts.com/h-sc/ui?s=xom).
- <sup>27</sup> “JWN - Nordstrom, Inc.” *StockCharts.com*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/h-sc/ui?s=jwn](http://stockcharts.com/h-sc/ui?s=jwn).
- <sup>28</sup> “CVNA Interactive Stock Chart.” *Carvana Co. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/CVNA](http://finance.yahoo.com/chart/CVNA).
- <sup>29</sup> “Bollinger Bands Explained. Rules to Use Bollinger Bands Successfully.” *John Bollinger's Official Bollinger Band Website*, Bollinger Capital Management, Inc., [www.bollingerbands.com/bollinger-band-rules](http://www.bollingerbands.com/bollinger-band-rules).
- <sup>30</sup> Wall, Donovan. “Coefficient of Variation [DW].” *TradingView*, TradingView Inc., 5 Jan. 2018, [www.tradingview.com/script/ZEEjwcKV-Coefficient-of-Variation-DW](http://www.tradingview.com/script/ZEEjwcKV-Coefficient-of-Variation-DW).
- <sup>31</sup> Staff, Investopedia. “Coefficient of Variation (CV).” *Investopedia Terms*, Investopedia, LLC, 22 May 2018, [www.investopedia.com/terms/c/coefficientofvariation.asp](http://www.investopedia.com/terms/c/coefficientofvariation.asp).
- <sup>32</sup> “StochRSI” *StockCharts.com*, Interactive Data Corporation, Pinnacle Data Corporation, and StockCharts.com, Inc., [stockcharts.com/school/doku.php?id=chart\\_school:technical\\_indicators:stochrsi](http://stockcharts.com/school/doku.php?id=chart_school:technical_indicators:stochrsi).

## Chapter 33: VWAP and Circuit Breakers

- <sup>1</sup> Trading, Warrior. “VWAP Explained for Day Trading Stocks.” *YouTube*, YouTube, LLC, 20 Dec. 2013, [www.youtube.com/watch?v=U0uftXzvUZU](http://www.youtube.com/watch?v=U0uftXzvUZU).
- <sup>2</sup> “Technical Glossary: VWAP.” *Money Control*, e-Eighteen.com Ltd., [www.moneycontrol.com/glossary/technical/vwap\\_2203.html](http://www.moneycontrol.com/glossary/technical/vwap_2203.html).
- <sup>3</sup> Staff, Investopedia. “Volume Weighted Average Price (VWAP).” *Investopedia Terms*, Investopedia, LLC, 23 June 2018, [www.investopedia.com/terms/v/vwap.asp](http://www.investopedia.com/terms/v/vwap.asp).
- <sup>4</sup> Wooten, John. “Technical Analysis Wednesdays 4: Moving Averages to RSI—Why They Matter (Technical Indicators).” *YouTube*, YouTube, LLC, 21 May 2018, [www.youtube.com/watch?v=nuHkILqvkDw](http://www.youtube.com/watch?v=nuHkILqvkDw).
- <sup>5</sup> Made in Google Sheets
- <sup>6</sup> “Volume Weighted Average Price (VWAP).” *Investors Underground*, InvestorsLive, LLC, [www.investorsunderground.com/technical-indicators/vwap-volume-weighted-average-price](http://www.investorsunderground.com/technical-indicators/vwap-volume-weighted-average-price).
- <sup>7</sup> White, Joanna. “What is a ‘Trading Curb’ or ‘Rule 80?’” *Capital Discussions*, Capital Discussions, LLC, 5 Mar. 2017, [capitaldiscussions.com/what-is-a-trading-curb-or-rule-80/103570](http://capitaldiscussions.com/what-is-a-trading-curb-or-rule-80/103570).
- <sup>8</sup> Pisani, Bob. “20 Years Ago Friday, This Unprecedented Trading Curb Kicked In.” *CNBC*, CNBC LLC, a Division of NBCUniversal, 27 Oct. 2017, 7:23 AM ET, [www.cnbc.com/2017/10/27/20-years-ago-friday-this-unprecedented-trading-curb-kicked-in.html](http://www.cnbc.com/2017/10/27/20-years-ago-friday-this-unprecedented-trading-curb-kicked-in.html).
- <sup>9</sup> Staff, Investopedia. “Trading Curb.” *Investopedia Terms*, Investopedia, LLC, 23 July 2018, [www.investopedia.com/terms/t/tradingcurb.asp](http://www.investopedia.com/terms/t/tradingcurb.asp).
- <sup>10</sup> “Trading Hours: Futures & Options.” *CME Group*, CME Group Inc., [www.cmegroup.com/trading-hours.html](http://www.cmegroup.com/trading-hours.html).
- <sup>11</sup> “Weather Products Homepage.” *CME Group*, CME Group Inc., [www.cmegroup.com/trading/weather](http://www.cmegroup.com/trading/weather).
- <sup>12</sup> Khalique, Farah. “Circuit Breakers: Does FX Need a Kill Switch?” *Euromoney*, Euromoney Institutional Investor PLC, 20 Mar. 2015, [www.euromoney.com/article/b12kll6j168v11/circuit-breakers-does-fx-need-a-kill-switch](http://www.euromoney.com/article/b12kll6j168v11/circuit-breakers-does-fx-need-a-kill-switch).
- <sup>13</sup> npl 77. “Should Cryptocurrency Exchanges Have Circuit Breakers In Place To Stop Crashes.” *Cryptocurrency - Steemit*, Steemit, Inc., 2017, [steemit.com/cryptocurrency/@npl77/should-cryptocurrency-exchanges-have-circuit-breakers-in-place-to-stop-crashes](http://steemit.com/cryptocurrency/@npl77/should-cryptocurrency-exchanges-have-circuit-breakers-in-place-to-stop-crashes).
- <sup>14</sup> Patterson, Michael. “Bitcoin Futures Trigger Circuit Breakers After 25% Gain.” *Bloomberg Businessweek*, Bloomberg L.P., 11 Dec. 2017, 3:17 AM EST, [www.bloomberg.com/news/articles/2017-12-11/bitcoin-futures-trigger-circuit-breakers-after-25-gain-chart-jb1xd8nt](http://www.bloomberg.com/news/articles/2017-12-11/bitcoin-futures-trigger-circuit-breakers-after-25-gain-chart-jb1xd8nt).
- <sup>15</sup> Senters, Hubert and MoneyShow. “Understanding Limit Up and Limit Down in the Futures Market.” *YouTube*, YouTube, LLC, 5 Oct. 2011, [www.youtube.com/watch?v=-pPxn-K7ODg](http://www.youtube.com/watch?v=-pPxn-K7ODg).
- <sup>16</sup> Staff, Investopedia. “Price Limits.” *Investopedia Exam Guide*, Investopedia, LLC, [www.investopedia.com/exam-guide/series-3/studyguide/chapter4/price-limits.asp](http://www.investopedia.com/exam-guide/series-3/studyguide/chapter4/price-limits.asp).
- <sup>17</sup> “S&P 500 Price Limits: Frequently Asked Questions.” *CME Group*, CME Group Inc., [www.cmegroup.com/trading/equity-index/faq-sp-500-price-limits.html](http://www.cmegroup.com/trading/equity-index/faq-sp-500-price-limits.html).
- <sup>18</sup> “Price Limit Guide.” *CME Group*, CME Group Inc., [www.cmegroup.com/trading/equity-index/price-limit-guide.html](http://www.cmegroup.com/trading/equity-index/price-limit-guide.html).
- <sup>19</sup> Cameron, Ross. “Circuit Breaker Halts: Day Trading Terminology.” *Warrior Trading*, Warrior Trading, Inc, 21 Mar. 2016, [www.warriortrading.com/circuit-breaker-halts](http://www.warriortrading.com/circuit-breaker-halts).

- <sup>20</sup> “Investor Bulletin: New Stock-by-Stock Circuit Breakers.” *SEC.gov*, U.S. Securities and Exchange Commission, 1 Aug. 2011, [www.sec.gov/oiea/investor-alerts-bulletins/investor-alerts-circuitbreakershtm.html](http://www.sec.gov/oiea/investor-alerts-bulletins/investor-alerts-circuitbreakershtm.html). Percentage rules use old standards before Nasdaq's 2012-pilot and 2013-rollout National-Market-System Limit-Up-Limit-Down Plan.
- <sup>21</sup> “Calculation of Price Bands.” *Limit Up-Limit Down - Index*, Cboe BZX Exchange, Inc., Cboe BYX Exchange, Inc., Cboe EDGA Exchange, Inc., Cboe EDGX Exchange, Inc., Chicago Stock Exchange, Inc., Financial Industry Regulatory Authority, Inc., Investors Exchange LLC, Nasdaq BX, Inc., Nasdaq Phlx, LLC, The Nasdaq Stock Market LLC, New York Stock Exchange LLC, NYSE American LLC, NYSE Arca, Inc., and NYSE National, Inc., [www.luldplan.com](http://www.luldplan.com).
- <sup>22</sup> Staff, Investopedia. “Circuit Breaker.” *Investopedia Terms*, Investopedia, LLC, 1 Apr. 2018, [www.investopedia.com/terms/c/circuitbreaker.asp](http://www.investopedia.com/terms/c/circuitbreaker.asp).
- <sup>23</sup> “Circuit Breaker - Overview, Definition, and Breakdown of Levels.” *Corporate Finance Institute*, CFI Education Inc., [corporatefinanceinstitute.com/resources/knowledge/trading-investing/circuit-breaker](http://corporatefinanceinstitute.com/resources/knowledge/trading-investing/circuit-breaker).
- <sup>24</sup> “LULD Plan through Amendment 17.” *Limit Up-Limit Down - Plans*, Cboe BZX Exchange, Inc., Cboe BYX Exchange, Inc., Cboe EDGA Exchange, Inc., Cboe EDGX Exchange, Inc., Chicago Stock Exchange, Inc., Financial Industry Regulatory Authority, Inc., Investors Exchange LLC, Nasdaq BX, Inc., Nasdaq Phlx, LLC, The Nasdaq Stock Market LLC, New York Stock Exchange LLC, NYSE American LLC, NYSE Arca, Inc., and NYSE National, Inc., [www.luldplan.com/plans.html](http://www.luldplan.com/plans.html).
- <sup>25</sup> Madaz. “Everything You NEED To Know About VWAP!” *Madaz Money*, Madaz Money LLC, 30 Sept. 2018, [madazmoney.com/post/everything-you-need-to-know-about-vwap](http://madazmoney.com/post/everything-you-need-to-know-about-vwap).
- <sup>26</sup> “ASTC Interactive Stock Chart.” *Astrotech Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/ASTC](http://finance.yahoo.com/chart/ASTC).
- <sup>27</sup> Gutierrez, Ricky. “What is VWAP & How to Use it / Best Entry Indicator 2017.” *YouTube*, YouTube, LLC, 31 Aug. 2017, [www.youtube.com/watch?v=p4OuRb9GquI](http://www.youtube.com/watch?v=p4OuRb9GquI).
- <sup>28</sup> Edited with Microsoft Paint and Paint 3D.
- <sup>29</sup> “PLAG Interactive Stock Chart.” *Planet Green Holdings Corp. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/PLAG](http://finance.yahoo.com/chart/PLAG).
- <sup>30</sup> “Trading Halt Codes.” *Nasdaq Trader*, Nasdaq, Inc., [www.nasdaqtrader.com/Trader.aspx?id=tradehaltcodes](http://www.nasdaqtrader.com/Trader.aspx?id=tradehaltcodes).
- <sup>31</sup> Balboa, Elizabeth. “Trading Halt 101: Basics You Need To Know.” *Benzinga Education*, Benzinga, 16 July 2017, 1:13 PM, [www.benzinga.com/general/education/17/07/9748301/trading-halts-101-the-basics-you-need-to-know](http://www.benzinga.com/general/education/17/07/9748301/trading-halts-101-the-basics-you-need-to-know).
- <sup>32</sup> Derrick, Jayson. “T-12 Nasdaq Halt (DRYS): When Stocks Get Called To The Principal's Office.” *Benzinga News*, Benzinga, 17 Nov. 2016, 8:41 AM, [www.benzinga.com/news/16/11/8712449/the-t-12-nasdaq-halt-when-stocks-get-called-to-the-principals-office](http://www.benzinga.com/news/16/11/8712449/the-t-12-nasdaq-halt-when-stocks-get-called-to-the-principals-office).
- <sup>33</sup> Chen, James. “Pink Sheets.” *Investopedia Terms*, Investopedia, LLC, 22 Jan. 2018, [www.investopedia.com/terms/p/pinksheets.asp](http://www.investopedia.com/terms/p/pinksheets.asp).

## Chapter 34: Combining Trendlines and Indicators

- <sup>1</sup> “AMZN Interactive Stock Chart.” *Amazon.com, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/AMZN](http://finance.yahoo.com/chart/AMZN).
- <sup>2</sup> “AMD Interactive Stock Chart.” *Advanced Micro Devices, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/AMD](http://finance.yahoo.com/chart/AMD).
- <sup>3</sup> “SIX Interactive Stock Chart.” *Six Flags Entertainment Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/SIX](http://finance.yahoo.com/chart/SIX).
- <sup>4</sup> Staff, Investopedia. “Ichimoku Cloud.” *Investopedia Terms*, Investopedia, LLC, 13 Aug. 2018, [www.investopedia.com/terms/i/ichimoku-cloud.asp](http://www.investopedia.com/terms/i/ichimoku-cloud.asp).
- <sup>5</sup> Su, Lisa, Dr and AMD Employees. “AMD 2016 Annual Report and Form 10-K.” *AMD Investor Relations*, Advanced Micro Devices, Inc., 21 Feb. 2017, [ir.amd.com/static-files/b3724c50-8010-4ed9-b3cb-b34eadc83969](http://ir.amd.com/static-files/b3724c50-8010-4ed9-b3cb-b34eadc83969).
- <sup>6</sup> Su, Lisa, Dr and AMD Employees. “AMD 2017 Annual Report and Form 10-K.” *AMD Investor Relations*, Advanced Micro Devices, Inc., 27 Feb. 2018, [ir.amd.com/static-files/8bb65d11-8cd8-4402-8951-fa16383bcf5e](http://ir.amd.com/static-files/8bb65d11-8cd8-4402-8951-fa16383bcf5e).

## Chapter 35: Diversification

- <sup>1</sup> Wooten, John. “Stock Lecture Tuesdays 5: Fundamentals for Spreading Money out to Minimize Risk (Diversification).” *YouTube*, YouTube, LLC, 23 May 2018, [www.youtube.com/watch?v=GkzlqxYmRIA](http://www.youtube.com/watch?v=GkzlqxYmRIA).
- <sup>2</sup> Little, Ken. “Know the Two Forms of Stock Diversification.” *Understanding Stock Diversification*, The Balance, 19 Apr. 2018, [www.thebalance.com/understanding-stock-diversification-3141333](http://www.thebalance.com/understanding-stock-diversification-3141333).
- <sup>3</sup> “QQQ - Invesco QQQ.” *Exchange-Traded Fund Product Details*, Invesco Ltd. and Its Subsidiaries Invesco Capital Management LLC and Invesco Distributors, Inc., [www.invesco.com/portal/site/us/financial-professional/etfs/product-detail?productId=QQQ](http://www.invesco.com/portal/site/us/financial-professional/etfs/product-detail?productId=QQQ).

<sup>4</sup> “Nasdaq 100.” *NASDAQ.com*, Nasdaq, Inc., [www.nasdaq.com/markets/indices/nasdaq-100.aspx](http://www.nasdaq.com/markets/indices/nasdaq-100.aspx).

<sup>5</sup> “Invesco QQQ Trust Fact Sheet.” *Invesco*, Invesco Distributors, Inc., 30 Sept. 2018, [www.invesco.com/static/us/financial-professional/contentdetail?contentId=3a48e01e98630410VgnVCM10000046f1bf0aRCRD](http://www.invesco.com/static/us/financial-professional/contentdetail?contentId=3a48e01e98630410VgnVCM10000046f1bf0aRCRD).

<sup>6</sup> “All Industries.” *Industry Center*, Yahoo! Finance, [finance.yahoo.com/industries](http://finance.yahoo.com/industries).

<sup>7</sup> Anke, Lee. “Correlation – ‘The Basis of Risk Management.’” *Prudent Investors Network*, Ceros Financial Services, Inc., 1 May 2010, [www.prudentnetwork.com/prudent-perspective/correlation-and-risk-management](http://www.prudentnetwork.com/prudent-perspective/correlation-and-risk-management).

<sup>8</sup> Staff, Investopedia. “Diversification.” *Investopedia Financial Concepts*, Investopedia, LLC, [www.investopedia.com/university/concepts/concepts2.asp](http://www.investopedia.com/university/concepts/concepts2.asp).

<sup>9</sup> “V.” *Summary for Visa Inc.*, Yahoo! Finance, 8 Dec. 2018, [finance.yahoo.com/quote/V](http://finance.yahoo.com/quote/V).

<sup>10</sup> “MA.” *Summary for Mastercard Incorporated*, Yahoo! Finance, 8 Dec. 2018, [finance.yahoo.com/quote/MA](http://finance.yahoo.com/quote/MA).

<sup>11</sup> “AXP.” *Summary for American Express Company*, Yahoo! Finance, 8 Dec. 2018, [finance.yahoo.com/quote/AXP](http://finance.yahoo.com/quote/AXP).

<sup>12</sup> “V Interactive Stock Chart.” *Visa Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/V](http://finance.yahoo.com/chart/V).

<sup>13</sup> “AMZN.” *Summary for Amazon.com, Inc.*, Yahoo! Finance, 8 Dec. 2018, [finance.yahoo.com/quote/AMZN](http://finance.yahoo.com/quote/AMZN).

<sup>14</sup> “RAZFF.” *Summary for Razer Inc.*, Yahoo! Finance, 8 Dec. 2018, [finance.yahoo.com/quote/RAZFF](http://finance.yahoo.com/quote/RAZFF).

<sup>15</sup> Davis, Joseph H, PhD; Aliaga-Díaz, Roger, PhD; Cole, C William; and Shanahan, Julieann, CFA®. “Investing in Emerging Markets: Evaluating the Allure of Rapid Economic Growth.” *Vanguard Research*, The Vanguard Group, Inc., Apr. 2010, [www.vanguard.com/pdf/icriem.pdf](http://www.vanguard.com/pdf/icriem.pdf).

<sup>16</sup> Vanguard Investment Strategy Group calculations based on data from Dimson, Marsh, and Staunton (2003); International Monetary Fund; MSCI; Thomson Financial Datastream; and the World Bank.

<sup>17</sup> Results first documented and later updated to 2009 in the 2002 book *Triumph of the Optimists: 101 Years of Global Investment Returns* by Elroy Dimson, Paul Marsh, and Mike Staunton of the London Business School.

<sup>18</sup> “The Best Performing Sector (Consumer Staples, Part 1).” *The Investors Field Guide*, [investorfieldguide.com/2014618the-best-performing-sector-consumer-staples-part-1](http://investorfieldguide.com/2014618the-best-performing-sector-consumer-staples-part-1).

<sup>19</sup> Each custom sector index (and industry group index) is constructed as follows: first, every stock with an inflation adjusted market cap floor of \$200,000,000 or higher is included. Stocks must be domiciled in the U.S., so no ADRs. Stocks are then equally weighted in the index and the index is rebalanced using the same criteria once per year in December.

<sup>20</sup> “Investment Historical Returns Data.” *engineered\_portfolios\_rev16g*, WordPress.org, 16 July 2017, [engineeredportfolio.com/investment-historical-returns-data](http://engineeredportfolio.com/investment-historical-returns-data).

<sup>21</sup> Donaldson, Scott J, CFA®, CFP®; Kinniry, Francis M, Jr, CFA®; Maciulis, Vytautas, CFA®; Patterson, Andrew J, CFA®; DiJoseph, Michael A, CFA®. “Vanguard’s Approach to Target-Date Funds.” *Vanguard Research*, The Vanguard Group, Inc., May 2015, [personal.vanguard.com/pdf/icrtidf.pdf](http://personal.vanguard.com/pdf/icrtidf.pdf).

<sup>22</sup> “Which Country Has the Best Stock Market?” *Engineered Portfolio*, WordPress.org, 30 July 2017, [engineeredportfolio.com/2017/07/30/which-country-has-the-best-stock-market/comment-page-1](http://engineeredportfolio.com/2017/07/30/which-country-has-the-best-stock-market/comment-page-1).

<sup>23</sup> “FTSE 100 Index.” *Wikipedia*, the Wikimedia Foundation, Inc., 2 Dec. 2018, [en.wikipedia.org/wiki/FTSE\\_100\\_Index](http://en.wikipedia.org/wiki/FTSE_100_Index).

<sup>24</sup> “^FTSE Interactive Stock Chart.” *FTSE 100 Stock*, Yahoo! Finance, [finance.yahoo.com/chart/^FTSE](http://finance.yahoo.com/chart/^FTSE).

<sup>25</sup> Yuh, Ang Chung, CFA®. “How Diversification Can Save Your Portfolio.” *FundsUPERmart.com*, FSMOne, 8 May 2018, [secure.fundsUPERmart.com/fsm/article/view/14083/how-diversification-can-save-your-portfolio](http://secure.fundsUPERmart.com/fsm/article/view/14083/how-diversification-can-save-your-portfolio).

<sup>26</sup> Dalio, Ray. *Principles: Life and Work*. Simon and Schuster, 2017. [amzn.to/2Uukan5](http://amzn.to/2Uukan5). ISBN 978-1-5011-2402-0. This alpha-overlay graph was not invented by Dalio’s firm, but Dalio and his associates researched, developed, and published this graph in their book. Please support the official release.

<sup>27</sup> Dalio, Ray. “Ray Dalio Breaks down His ‘Holy Grail.’” *Investopedia Originals*, Investopedia, LLC, 26 Nov. 2018, [www.investopedia.com/video/play/ray-dalio-his-portfolio-holy-grail](http://www.investopedia.com/video/play/ray-dalio-his-portfolio-holy-grail).

<sup>28</sup> Staff, Investopedia. “Dollar-Cost Averaging (DCA).” *Investopedia Terms*, Investopedia, LLC, 1 Nov. 2018, [www.investopedia.com/terms/d/dollarcostaveraging.asp](http://www.investopedia.com/terms/d/dollarcostaveraging.asp).

<sup>29</sup> “Why Diversification Matters.” *Fidelity Learning Center*, FMR LLC, [www.fidelity.com/learning-center/investment-products/mutual-funds/diversification](http://www.fidelity.com/learning-center/investment-products/mutual-funds/diversification).

<sup>30</sup> Viewpoints, Fidelity. “The Guide to Diversification: Build a Solid Investment Strategy to Help Realize Your Goals.” *How Mutual Funds, ETFs, and Stocks Trade - Fidelity*, FMR LLC, 1 Aug. 2018, [www.fidelity.com/viewpoints/investing-ideas/guide-to-diversification](http://www.fidelity.com/viewpoints/investing-ideas/guide-to-diversification).

<sup>31</sup> “Pre-Webinar Profit Trifecta.” *Warrior Trading*, Warrior Trading, Inc, [www.warriortrading.com/pre-webinar-profit-trifecta](http://www.warriortrading.com/pre-webinar-profit-trifecta).

<sup>32</sup> “Warrior Trading Profit Trifecta.” *Warrior Trading*, Warrior Trading, Inc, [www.warriortrading.com/profit-trifecta](http://www.warriortrading.com/profit-trifecta).

<sup>33</sup> “Have You Ever Met a Successful Day Trader?” *r/Investing*, Reddit, Inc., [www.reddit.com/r/investing/comments/480qjf/have\\_you\\_ever\\_met\\_a\\_successful\\_day\\_trader](https://www.reddit.com/r/investing/comments/480qjf/have_you_ever_met_a_successful_day_trader).

<sup>34</sup> U.S. stock market returns are represented by the Standard & Poor’s 90 from 1926 through March 3, 1957; the Standard & Poor’s 500 Index from March 4, 1957, through 1974; the Wilshire 5000 Index from 1975 through April 22, 2005; the MSCI US

Broad Market Index from April 23, 2005, through June 2, 2013; and the CRSP US Total Market Index thereafter. U.S. bond market returns are represented by the Standard & Poor's High Grade Corporate Index from 1926 to 1968, the Citigroup High Grade Index from 1969 to 1972, the Lehman Brothers U.S. Long Credit AA Index from 1973 to 1975, the Barclays Capital U.S. Aggregate Bond Index from 1976 to 2009, and the Spliced Barclays U.S. Aggregate Float Adjusted Bond Index thereafter. Vanguard calculations based on data from Standard & Poor's, Wilshire, MSCI, CRSP, Citigroup, and Barclays.

<sup>35</sup> Domestic stocks represented by S&P 500 1926 – 1986, Dow Jones U.S. Total Market 1987– most recent year end; foreign stock represented by S&P 500 1926 – 1969, MSCI EAFE 1970 – 2000, MSCI ACWI Ex USA 2001 – most recent year end; bonds represented by U.S. intermediate-term bonds 1926 – 1975, Barclays U.S. Aggregate Bond 1976 – most recent year end; short term represented by 30-day U.S. Treasury bills 1926 – most recent year end.

## Chapter 36: Stock Screeners

- <sup>1</sup> "Stock Screener." *New Untitled Screener*, Yahoo! Finance, [finance.yahoo.com/screener/new](http://finance.yahoo.com/screener/new).
- <sup>2</sup> "Free Stock Screener." *Financial Visualization*, FINVIZ.com, [finviz.com/screener.ashx](http://finviz.com/screener.ashx).
- <sup>3</sup> "Most Popular Stock Screener Configurations." *The Technical Analysis Stock Screener*, Chartmill.com, [www.chartmill.com/findscreens.php](http://www.chartmill.com/findscreens.php).
- <sup>4</sup> "Indicators and Measures." *StockFetcher*, Vestyl Software, L.L.C., [stockfetcher.com/forums/Indicators](http://stockfetcher.com/forums/Indicators).
- <sup>5</sup> Wooten, John. "Technical Analysis Wednesdays 5: Stock Screeners, Trading Software, and More! (Brokerages)." *YouTube*, YouTube, LLC, 27 May 2018, [www.youtube.com/watch?v=Yv9da1m1kLk](http://www.youtube.com/watch?v=Yv9da1m1kLk).
- <sup>6</sup> "MICT." *Summary for MICT, Inc.*, Yahoo! Finance, 21 Dec. 2018, [finance.yahoo.com/quote/MICT](http://finance.yahoo.com/quote/MICT).
- <sup>7</sup> "MICT." *MICT, Inc. Stock Quote*, FINVIZ.com, 21 Dec. 2018, [finviz.com/quote.ashx?t=mict](http://finviz.com/quote.ashx?t=mict).
- <sup>8</sup> "Today's Pre Market Movers." *Stock Market Watch*, Stock Market News, [thestockmarketwatch.com/markets/pre-market/today.aspx](http://thestockmarketwatch.com/markets/pre-market/today.aspx).
- <sup>9</sup> "Premarket Gainers - Google Search." *Google*, Alphabet, Inc., [www.google.com/search?q=premarket+gainers](http://www.google.com/search?q=premarket+gainers).
- <sup>10</sup> "WATT Interactive Stock Chart." *Energous Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/WATT](http://finance.yahoo.com/chart/WATT).
- <sup>11</sup> "Bulls Make Money, Bears Make Money, Pigs Get Slaughtered." *The Motley Fool*, The Motley Fool, LLC, [www.fool.com/knowledge-center/bulls-make-money-bears-make-money-pigs-get-slaught.aspx](http://www.fool.com/knowledge-center/bulls-make-money-bears-make-money-pigs-get-slaught.aspx).

## Chapter 37: Brokers

- <sup>1</sup> Kenton, Will. "Broker." *Investopedia Terms*, Investopedia, LLC, 13 June 2018, [www.investopedia.com/terms/b/broker.asp](http://www.investopedia.com/terms/b/broker.asp).
- <sup>2</sup> Staff, FINRA. "It's Your Stock, Just Not in Your Name: Explaining 'Street Names.'" *FINRA*, Financial Industry Regulatory Authority, Inc., 21 Dec. 2015, [www.finra.org/investors/its-your-stock-just-not-your-name-explaining-street-names](http://www.finra.org/investors/its-your-stock-just-not-your-name-explaining-street-names).
- <sup>3</sup> Lee, Matt. "Paper Stock Certificates Are Gone With the Winds of Change." *Investopedia Questions and Answers*, Investopedia, LLC, 14 Dec. 2018, [www.investopedia.com/ask/answers/06/stockcertificate.asp](http://www.investopedia.com/ask/answers/06/stockcertificate.asp).
- <sup>4</sup> "Stock Transfer Agent." *The Home Depot*, Home Depot Product Authority, LLC and The Home Depot U.S.A., Inc., [ir.homedepot.com/shareholder-services/stock-transfer-agent](http://ir.homedepot.com/shareholder-services/stock-transfer-agent).
- <sup>5</sup> "Stock Transfer Agent and Registrar." *Medtronic*, Medtronic Plc, [phx.corporate-ir.net/phoenix.zhtml?c=76126&p=irol-stockTransfer](http://phx.corporate-ir.net/phoenix.zhtml?c=76126&p=irol-stockTransfer).
- <sup>6</sup> Chen, James. "Registrar." *Investopedia Terms*, Investopedia, LLC, 25 Mar. 2018, [www.investopedia.com/terms/r/registrar.asp](http://www.investopedia.com/terms/r/registrar.asp).
- <sup>7</sup> "Registered Bonds Required; Bond Registrar and Bond Register Sample Clauses." *Law Insider*, Yah Rah Rah, LLC, [www.lawinsider.com/clause/registered-bonds-required-bond-registrar-and-bond-register](http://www.lawinsider.com/clause/registered-bonds-required-bond-registrar-and-bond-register).
- <sup>8</sup> "Transfer Agents." *SEC Fast Answers*, U.S. Securities and Exchange Commission, 2 Mar. 2012, [www.sec.gov/fast-answers/answerstransferagenthtm.html](http://www.sec.gov/fast-answers/answerstransferagenthtm.html).
- <sup>9</sup> "Holding Your Securities: Get the Facts." *SEC Investor Publications*, U.S. Securities and Exchange Commission, 4 Mar. 2003, [www.sec.gov/reportspubs/investor-publications/investorpubsholdsechtm.html](http://www.sec.gov/reportspubs/investor-publications/investorpubsholdsechtm.html).
- <sup>10</sup> "Shareholder Services." *The Home Depot*, Home Depot Product Authority, LLC and The Home Depot U.S.A., Inc., [ir.homedepot.com/shareholder-services/shareholder-services](http://ir.homedepot.com/shareholder-services/shareholder-services).
- <sup>11</sup> "Shareholder FAQ: Dividend Reinvestment Program." *Duke Energy*, Duke Energy Corporation, [www.duke-energy.com/our-company/investors/individual-investors/shareholder-faq](http://www.duke-energy.com/our-company/investors/individual-investors/shareholder-faq).

- <sup>12</sup> Schroeder, John. "Disadvantages of Direct Stock Purchase Plans." *Cash Money Life*, 13 July 2018, [cashmoneylife.com/disadvantages-of-direct-stock-purchase-plans](http://cashmoneylife.com/disadvantages-of-direct-stock-purchase-plans).
- <sup>13</sup> Schroeder, John. "Advantages of Direct Stock Purchase Plans." *Cash Money Life*, 13 July 2018, [cashmoneylife.com/advantages-of-direct-stock-purchase-plans](http://cashmoneylife.com/advantages-of-direct-stock-purchase-plans).
- <sup>14</sup> "Direct Investment Plans: Buying Stock Directly from the Company." *SEC Fast Answers*, U.S. Securities and Exchange Commission, 1 Mar. 2002, [www.sec.gov/fast-answers/answersdriphm.html](http://www.sec.gov/fast-answers/answersdriphm.html).
- <sup>15</sup> Schroeder, John. "What Is a DRIP? Pros and Cons of Dividend Reinvestment Plans." *Cash Money Life*, 14 Sept. 2016, [cashmoneylife.com/dividend-reinvestment-plans-drip](http://cashmoneylife.com/dividend-reinvestment-plans-drip).
- <sup>16</sup> Chen, James. "Transfer Agent." *Investopedia Terms*, Investopedia, LLC, 6 Mar. 2018, [www.investopedia.com/terms/t/transferagent.asp](http://www.investopedia.com/terms/t/transferagent.asp).
- <sup>17</sup> Udacity. "How Orders Get to the Exchange." *YouTube*, YouTube, LLC, 6 June 2016, [www.youtube.com/watch?v=IEBiyNojTqY&t=186s](http://www.youtube.com/watch?v=IEBiyNojTqY&t=186s).
- <sup>18</sup> Staff, Investopedia. "Understanding Order Execution." *Investopedia Trading Strategy*, Investopedia, LLC, 5 Aug. 2018, [www.investopedia.com/articles/01/022801.asp](http://www.investopedia.com/articles/01/022801.asp).
- <sup>19</sup> "Trade Execution." *SEC Investor Publications*, U.S. Securities and Exchange Commission, 16 Jan. 2013, [www.sec.gov/reportspubs/investor-publications/investorpubstradexchm.html](http://www.sec.gov/reportspubs/investor-publications/investorpubstradexchm.html).
- <sup>20</sup> "Executing an Order." *Investor.gov*, U.S. Securities and Exchange Commission, [www.investor.gov/introduction-investing/basics/how-market-works/executing-order](http://www.investor.gov/introduction-investing/basics/how-market-works/executing-order).
- <sup>21</sup> Kenton, Will. "Market Maker." *Investopedia Terms*, Investopedia, LLC, 9 Feb. 2018, [www.investopedia.com/terms/m/marketmaker.asp](http://www.investopedia.com/terms/m/marketmaker.asp).
- <sup>22</sup> OECD (2016), "Changing business models of stock exchanges and stock market fragmentation," in *OECD Business and Finance Outlook 2016*, OECD Publishing, Paris. See Figure 4.5 on page 11 (Outlook page 127), [www.oecd.org/daf/ca/BFO-2016-Ch4-Stock-Exchanges.pdf](http://www.oecd.org/daf/ca/BFO-2016-Ch4-Stock-Exchanges.pdf).
- <sup>23</sup> Nagy, Chris and Rotblut, Charles, CFA®. "How Your Buy and Sell Orders Get Filled." *AII Journal*, American Association of Individual Investors, [www.aaii.com/journal/article/how-your-buy-and-sell-orders-get-filled.touch](http://www.aaii.com/journal/article/how-your-buy-and-sell-orders-get-filled.touch).
- <sup>24</sup> Lightspeed Trader. "How to Profit off the Dark Pool." *YouTube*, YouTube, LLC, 3 Oct. 2016, [www.youtube.com/watch?v=NzNDjWDZETw&t=141s](http://www.youtube.com/watch?v=NzNDjWDZETw&t=141s). Webinar hosted by Rob Liftson from Lime Brokerage LLC and presented by Stefanie Kammerman, a leading dark-pool trader and advocate of transparent financial markets. Learn more about Stefanie on her website at [www.thestockwhisperer.com/About](http://www.thestockwhisperer.com/About). You can learn more about global algorithmic capital markets and dark pool trading via Walter Mattli's book on the subject at [amzn.to/2SRr19e](http://amzn.to/2SRr19e) (ISBN 978-0-1988-2946-1).
- <sup>25</sup> MoneyWeek. "Why You Should Worry about Dark Pools - MoneyWeek Investment Tutorials." *YouTube*, YouTube, LLC, 19 Apr. 2013, [www.youtube.com/watch?v=NxD8q28BYZE](http://www.youtube.com/watch?v=NxD8q28BYZE).
- <sup>26</sup> Picardo, Elvis. "An Introduction to Dark Pools." *Investopedia Articles*, Investopedia, LLC, 5 Dec. 2018, [www.investopedia.com/articles/markets/050614/introduction-dark-pools.asp](http://www.investopedia.com/articles/markets/050614/introduction-dark-pools.asp).
- <sup>27</sup> Kiernan, Kaitlyn. "Can You Swim in a Dark Pool?" *FINRA.org*, Financial Industry Regulatory Authority, Inc., 27 Jan. 2016, [www.finra.org/investors/can-you-swim-dark-pool](http://www.finra.org/investors/can-you-swim-dark-pool).
- <sup>28</sup> William. "Does Any US Retail Broker Offer Access to Dark Pools?" *Quora*, Quora, Inc., 21 May 2017, [www.quora.com/Does-any-US-retail-broker-offer-access-to-dark-pools](http://www.quora.com/Does-any-US-retail-broker-offer-access-to-dark-pools).
- <sup>29</sup> "Block Trade Indicator." *Charles Schwab*, Charles Schwab & Co., Inc., [content.schwab.com/web/trading/public/sse/23\\_Block\\_Trade\\_Indicator.html](http://content.schwab.com/web/trading/public/sse/23_Block_Trade_Indicator.html).
- <sup>30</sup> "FINRA Makes Dark Pool Data Available Free to the Investing Public." *FINRA.org*, Financial Industry Regulatory Authority, Inc., 2 June 2014, [www.finra.org/newsroom/2014/finra-makes-dark-pool-data-available-free-investing-public](http://www.finra.org/newsroom/2014/finra-makes-dark-pool-data-available-free-investing-public).
- <sup>31</sup> "Marriott Family Members Sell Shares in Million-Dollar Transactions." *American City Business Journals: Washington Business Journal*, Advance Publications, Inc., 12 Nov. 2017 11:50 AM EDT, [www.bizjournals.com/washington/news/2017/09/11/marriott-family-members-sell-shares-in-millions.html](http://www.bizjournals.com/washington/news/2017/09/11/marriott-family-members-sell-shares-in-millions.html).
- <sup>32</sup> Reinkensmeyer, Blain. "Order Execution Retail Investors Guide." *StockBrokers.com*, Reink Media Group LLC, 19 Feb. 2018, [www.stockbrokers.com/guides/order-execution](http://www.stockbrokers.com/guides/order-execution).
- <sup>33</sup> "Order Routing And How It Affects Your Trading." *SpeedTrader*, Mint Global Markets, Inc., [speedtrader.com/order-routing-and-how-it-affects-your-trading](http://speedtrader.com/order-routing-and-how-it-affects-your-trading).
- <sup>34</sup> Kuepper, Justin. "Introduction to Level II Quotes." *Investopedia Articles*, Investopedia, LLC, 5 Dec. 2018, [www.investopedia.com/articles/trading/06/level2quotes.asp](http://www.investopedia.com/articles/trading/06/level2quotes.asp).
- <sup>35</sup> Leising, Matthew; Rojanasakul, Mira; and Pearce, Adam. "How to Catch a Spoof." *Bloomberg*, Bloomberg L.P., 4 Sept. 2015, [www.bloomberg.com/graphics/2015-spoofing](http://www.bloomberg.com/graphics/2015-spoofing).
- <sup>36</sup> Chen, James. "Clearinghouse." *Investopedia Terms*, Investopedia, LLC, 3 June 2018, [www.investopedia.com/terms/c/clearinghouse.asp](http://www.investopedia.com/terms/c/clearinghouse.asp).
- <sup>37</sup> "Guide to the Currency Exchange Market." *Travelex Worldwide Money*, Travelex Currency Services Inc., [www.travelex.com/currency/currency-exchange-market](http://www.travelex.com/currency/currency-exchange-market).
- <sup>38</sup> Harris, Larry. *Trading and Exchanges: Market Microstructures for Practitioners*. Oxford University Press, 2003, pp. 26–27. [books.google.com/books?id=Rd9hDRR1Yx4C&printsec=frontcover&source=gbs\\_ge\\_summary\\_r](http://books.google.com/books?id=Rd9hDRR1Yx4C&printsec=frontcover&source=gbs_ge_summary_r)
- <sup>39</sup> "My Portfolios." *Yahoo! Finance*, Oath, a Verizon Company, [finance.yahoo.com/portfolio/p\\_3/view/v1](http://finance.yahoo.com/portfolio/p_3/view/v1).
- <sup>40</sup> "How Linked Brokerage Accounts Work with Yahoo Finance." *Yahoo! Help*, Oath, a Verizon Company, [help.yahoo.com/kb/SLN28346.html](http://help.yahoo.com/kb/SLN28346.html).
- <sup>41</sup> "Brokerage Firms Offering Shorting Stocks. Short Selling Trading Commissions." *Brokerage Reviews*, ACM MEDIA LLC, [www.brokerage-review.com/discount-broker/brokers-offering-short-selling-stocks.aspx](http://www.brokerage-review.com/discount-broker/brokers-offering-short-selling-stocks.aspx).
- <sup>42</sup> Platform verified on phone call with Lightspeed sales representative Robert Morris.
- <sup>43</sup> "Buy Bitcoin & Other Cryptocurrencies." *Robinhood Crypto*, Robinhood Markets Inc., Robinhood Financial LLC, Robinhood Crypto, LLC, [crypto.robinhood.com](http://crypto.robinhood.com).
- <sup>44</sup> "Pricing and Brokerage Fees." *CenterPoint Securities*, Precision Securities LLC, [centerpointsecurities.com/stock-broker-dealer/pricing-brokerage-fees](http://centerpointsecurities.com/stock-broker-dealer/pricing-brokerage-fees).

- <sup>45</sup> “FAQs: Opening.” *TD Ameritrade*, TD Ameritrade, Inc., [www.tdameritrade.com/account-types/faqs-opening.page](http://www.tdameritrade.com/account-types/faqs-opening.page).
- <sup>46</sup> “Online Trading Pricing.” *TD Ameritrade*, TD Ameritrade, Inc., [www.tdameritrade.com/pricing.page](http://www.tdameritrade.com/pricing.page).
- <sup>47</sup> Pen, Ting. “Best Online Brokerages for Commission-Free ETFs.” *ValuePenguin*, ValuePenguin Inc., [www.valuepenguin.com/best-online-brokerages-commission-free-etfs](http://www.valuepenguin.com/best-online-brokerages-commission-free-etfs).
- <sup>48</sup> “WellsTrade Online and Mobile Brokerage.” *Wells Fargo*, Wells Fargo & Company, Wells Fargo Advisors, and Wells Fargo Securities LLC, Wells Fargo Clearing Services, LLC, [www.wellsfargo.com/investing/wellstrade-online-brokerage](http://www.wellsfargo.com/investing/wellstrade-online-brokerage).
- <sup>49</sup> “WellsTrade Brokerage Commissions and Fees.” *Wells Fargo*, Wells Fargo & Company, Wells Fargo Advisors, and Wells Fargo Securities LLC, Wells Fargo Clearing Services, LLC, [www.wellsfargo.com/investing/wellstrade-online-brokerage/pricing](http://www.wellsfargo.com/investing/wellstrade-online-brokerage/pricing).
- <sup>50</sup> Account minimum verified on phone call with Wells Fargo sales representative Coy Little.
- <sup>51</sup> “Self-Directed Trading.” *Ally Invest*, Ally Financial Inc., [www.ally.com/invest/self-directed-trading](http://www.ally.com/invest/self-directed-trading).
- <sup>52</sup> Schwab.com. “Costs of Investing.” *Schwab Brokerage*, The Charles Schwab Corporation, [www.schwab.com/costs-of-investing](http://www.schwab.com/costs-of-investing).
- <sup>53</sup> “Vanguard Brokerage Services® Commission & Fee Schedules.” *Vanguard*, The Vanguard Group, Inc., [investor.vanguard.com/investing/transaction-fees-commissions/stocks](http://investor.vanguard.com/investing/transaction-fees-commissions/stocks).
- <sup>54</sup> “Investing with Merrill Edge.” *Merrill Edge*, Bank of America Corporation, [www.merrilledge.com/pricing](http://www.merrilledge.com/pricing).
- <sup>55</sup> “Pricing and Rates.” *E\*TRADE*, E\*TRADE Financial Corporation, [us.etrade.com/what-we-offer/pricing-and-rates](http://us.etrade.com/what-we-offer/pricing-and-rates).
- <sup>56</sup> Platform costs verified on phone call with E\*TRADE sales representative Richard Aguilar.
- <sup>57</sup> “Commissions.” *Interactive Brokers*, Interactive Brokers LLC, [www.interactivebrokers.com/en/index.php?f=1590&p=stocks2](http://www.interactivebrokers.com/en/index.php?f=1590&p=stocks2).
- <sup>58</sup> “IBKR Trading Platforms.” *Interactive Brokers*, Interactive Brokers LLC, [www.interactivebrokers.com/en/index.php?f=13868](http://www.interactivebrokers.com/en/index.php?f=13868).
- <sup>59</sup> Account minimums verified on phone call with Interactive Brokers sales representative Benny H.
- <sup>60</sup> “New Simplified Low-Cost Commission Pricing.” *TradeStation*, TradeStation Group, Inc., [www.tradestation.com/pricing](http://www.tradestation.com/pricing).
- <sup>61</sup> “Research, News, and Market Data.” *Interactive Brokers*, Interactive Brokers LLC, [www.interactivebrokers.com/en/index.php?f=14193](http://www.interactivebrokers.com/en/index.php?f=14193).
- <sup>62</sup> “Award-Winning Trading Tools and Technology.” *TradeStation*, TradeStation Group, Inc., [www.tradestation.com/technology](http://www.tradestation.com/technology).
- <sup>63</sup> “Market Data Pricing.” *TradeStation*, TradeStation Group, Inc., [www.tradestation.com/pricing/market-data-pricing](http://www.tradestation.com/pricing/market-data-pricing).
- <sup>64</sup> “Technology.” *Tastyworks*, Tastyworks, Inc., [tastyworks.com/technology.html](http://tastyworks.com/technology.html).
- <sup>65</sup> “Pricing.” *Tastyworks*, Tastyworks, Inc., [tastyworks.com/pricing.html](http://tastyworks.com/pricing.html).
- <sup>66</sup> Carey, Theresa W. “Interactive Brokers Eliminates \$10,000 Account Minimum.” *Investopedia News*, Investopedia, LLC, 23 Aug. 2018, [www.investopedia.com/news/interactive-brokers-eliminates-10000-account-minimum](http://www.investopedia.com/news/interactive-brokers-eliminates-10000-account-minimum).
- <sup>67</sup> “Prepaid Commission Packages for Trading Stocks Online.” *SogoTrade*, SogoTrade, Inc., [www.sogotrade.com/pre-paid-trading.aspx](http://www.sogotrade.com/pre-paid-trading.aspx).
- <sup>68</sup> “Frequently Asked Questions.” *SogoTrade*, SogoTrade, Inc., [www.sogotrade.com/faq.aspx](http://www.sogotrade.com/faq.aspx).
- <sup>69</sup> “Trading Platforms.” *SogoTrade*, SogoTrade, Inc., [www.sogotrade.com/trading-tools.aspx](http://www.sogotrade.com/trading-tools.aspx).
- <sup>70</sup> “Commision.” *Lightspeed*, Lime Brokerage LLC, [www.lightspeed.com/pricing/commission](http://www.lightspeed.com/pricing/commission).
- <sup>71</sup> “Routing Fees.” *Lightspeed*, Lime Brokerage LLC, [www.lightspeed.com/pricing/routing-fees](http://www.lightspeed.com/pricing/routing-fees).
- <sup>72</sup> “Trading Account Requirements.” *Lightspeed*, Lime Brokerage LLC, [www.lightspeed.com/brokerage-services/trading-accounts/trading-platform-requirements](http://www.lightspeed.com/brokerage-services/trading-accounts/trading-platform-requirements).
- <sup>73</sup> “Platform Comparison.” *Lightspeed*, Lime Brokerage LLC, [www.lightspeed.com/platform-comparison](http://www.lightspeed.com/platform-comparison).
- <sup>74</sup> “Livevol X.” *Lightspeed*, Lime Brokerage LLC, [www.lightspeed.com/trading-platforms/livevol-x/#livevolx-pricing](http://www.lightspeed.com/trading-platforms/livevol-x/#livevolx-pricing).
- <sup>75</sup> “Your Favorite Stocks By The Dollar.” *Stockpile*, Stockpile, Inc., [www.stockpile.com](http://www.stockpile.com).
- <sup>76</sup> Chen, James. “American Depositary Receipt - ADR.” *Investopedia Terms*, Investopedia, LLC, 22 July 2018, [www.investopedia.com/terms/a/adr.asp](http://www.investopedia.com/terms/a/adr.asp).
- <sup>77</sup> “Dividends.” *FAQ – Robinhood Help Center*, Robinhood Financial LLC and Robinhood Securities, LLC, [support.robinhood.com/hc/en-us/articles/360001227206-Dividends](http://support.robinhood.com/hc/en-us/articles/360001227206-Dividends).
- <sup>78</sup> Support, Stockpile. “How Do I Buy Stock for Myself?” *Stockpile Help Center*, Stockpile, Inc., [help.stockpile.com/trading-and-dividends/buy-and-sell-orders/how-do-i-buy-stock-for-myself](http://help.stockpile.com/trading-and-dividends/buy-and-sell-orders/how-do-i-buy-stock-for-myself).
- <sup>79</sup> “Trading Interface.” *Ustocktrade*, Ustocktrade LLC and Ustocktrade Securities, Inc., [www.ustocktrade.com/trading-interface](http://www.ustocktrade.com/trading-interface).
- <sup>80</sup> Support, Ustocktrade “Order Types.” *Ustocktrade*, Ustocktrade LLC and Ustocktrade Securities, Inc., [support.ustocktrade.com/hc/en-us/articles/360010066334-Order-Types?mobile\\_site=false](http://support.ustocktrade.com/hc/en-us/articles/360010066334-Order-Types?mobile_site=false).
- <sup>81</sup> “For the Noobs: Switch from Robinhood to Ustocktrade.” *Reddit r/Wallstreetbets*, Reddit, Inc., [www.reddit.com/r/wallstreetbets/comments/46ii5o/for\\_the\\_noobs\\_switch\\_from\\_robinhood\\_to\\_ustocktrade](http://www.reddit.com/r/wallstreetbets/comments/46ii5o/for_the_noobs_switch_from_robinhood_to_ustocktrade).
- <sup>82</sup> Mustped. “Rates & Fees.” *EOption*, Regal Securities, Inc., [www.eoption.com/rates/#TradingActivityFeesModal](http://www.eoption.com/rates/#TradingActivityFeesModal).
- <sup>83</sup> “North American Stock Commissions.” *Place Trade*, Place Trade Financial, Inc., [www.us.placetrade.com/index.php/low-cost-trading-investing/deep-discount-commissions-fees/north-america-canada-mexico-united-states-us](http://www.us.placetrade.com/index.php/low-cost-trading-investing/deep-discount-commissions-fees/north-america-canada-mexico-united-states-us).



- <sup>84</sup> “Trading Technology.” *Place Trade*, Place Trade Financial, Inc., [www.us.placetrade.com/index.php/online-trading](http://www.us.placetrade.com/index.php/online-trading).
- <sup>85</sup> “Minimum Requirements - Monthly Activity.” *Place Trade*, Place Trade Financial, Inc., [www.us.placetrade.com/index.php/component/content/article/21-help-me/654-fees-activity-minimum-requirements-inactivity-fees](http://www.us.placetrade.com/index.php/component/content/article/21-help-me/654-fees-activity-minimum-requirements-inactivity-fees).
- <sup>86</sup> “Brokerage Trading Commission Rates.” *USAA*, USAA Investment Management Company and USAA Financial Advisors Inc., [www.usaa.com/inet/wc/investments-commissions-fees-margin-rates?tab=commissions](http://www.usaa.com/inet/wc/investments-commissions-fees-margin-rates?tab=commissions).
- <sup>87</sup> Voigt, Kevin. “USAA Brokerage Review 2018.” *NerdWallet*, NerdWallet, Inc., [www.nerdwallet.com/blog/investing/usaa-brokerage-review](http://www.nerdwallet.com/blog/investing/usaa-brokerage-review).
- <sup>88</sup> “We’re Raising the Bar on Value.” *Fidelity*, FMR LLC, [www.fidelity.com/mutual-funds/investing-ideas/index-funds](http://www.fidelity.com/mutual-funds/investing-ideas/index-funds).
- <sup>89</sup> “Trades Are Just \$4.95.” *Fidelity*, FMR LLC, [www.fidelity.com/why-fidelity/trading](http://www.fidelity.com/why-fidelity/trading).
- <sup>90</sup> “Commissions, Margin Rates, and Fees.” *Fidelity*, FMR LLC, [www.fidelity.com/trading/commissions-margin-rates](http://www.fidelity.com/trading/commissions-margin-rates).
- <sup>91</sup> Firsttrade Securities Inc. “True Value Investing Only at Firsttrade.” *Firsttrade*, Firsttrade Securities, Inc., [www.firsttrade.com/content/en-us/pricing](http://www.firsttrade.com/content/en-us/pricing).
- <sup>92</sup> Lack of Fidelity live data fees confirmed on phone conversation with Fidelity sales representative David Monte.
- <sup>93</sup> “Extended Hours Trading.” *Firsttrade*, Firsttrade Securities, Inc., [www.firsttrade.com/content/en-us/trading/afterhours](http://www.firsttrade.com/content/en-us/trading/afterhours).
- <sup>94</sup> “Extended-Hours Trading.” *FAQ – Robinhood Help Center*, Robinhood Financial LLC and Robinhood Securities, LLC, [support.robinhood.com/hc/en-us/articles/360001226766-Extended-Hours-Trading](http://support.robinhood.com/hc/en-us/articles/360001226766-Extended-Hours-Trading).
- <sup>95</sup> Finance, M1. “M1 Finance: Making Your First Deposit.” *YouTube*, YouTube, LLC, 14 May 2018, [www.youtube.com/watch?v=Vk18714a\\_y8](http://www.youtube.com/watch?v=Vk18714a_y8).
- <sup>96</sup> “How Do Buy/Sell Orders Work?” *M1 Finance | Support*, M1 Finance LLC, [support.m1finance.com/hc/en-us/articles/360001066047](http://support.m1finance.com/hc/en-us/articles/360001066047).
- <sup>97</sup> LLC, M1 Finance. “Miscellaneous Fees Disclosure.” *Taking Stock | M1 Finance Blog*, M1 Finance LLC, [www.m1finance.com/legal/disclosures/misc-fees](http://www.m1finance.com/legal/disclosures/misc-fees).
- <sup>98</sup> “Commissions and Fees.” *Cobra Trading*, Cobra Trading, Inc., [www.cobratrading.com/low-cost-online-trading-platform](http://www.cobratrading.com/low-cost-online-trading-platform).
- <sup>99</sup> “Our Trading Platforms.” *Cobra Trading*, Cobra Trading, Inc., [www.cobratrading.com/platforms](http://www.cobratrading.com/platforms).
- <sup>100</sup> Ryan. “Cobra Trading Broker Review - Direct Access Broker for Day Traders.” *Top Trade Reviews*, 24 Apr. 2018, [toptradereviews.com/cobra-trading-review](http://toptradereviews.com/cobra-trading-review).
- <sup>101</sup> “Brokerage Services | Commission Fee Schedule.” *T. Rowe Price Investment Management*, T. Rowe Price Investment Services, Inc, [www.troweprice.com/personal-investing/products-and-services/brokerage/commissions-and-fees.html](http://www.troweprice.com/personal-investing/products-and-services/brokerage/commissions-and-fees.html).
- <sup>102</sup> Yochim, Dayana. “T. Rowe Price Review 2018.” *NerdWallet*, NerdWallet, Inc., 19 Jan. 2018, [www.nerdwallet.com/blog/investing/t-rowe-price-review](http://www.nerdwallet.com/blog/investing/t-rowe-price-review).
- <sup>103</sup> Steenwyk, Jason Van. “Folio Review 2018.” *Investopedia Broker Reviews*, Investopedia, LLC, [www.investopedia.com/broker/folio-investing-review](http://www.investopedia.com/broker/folio-investing-review).
- <sup>104</sup> “Pricing.” *Folio*, Folio Financial, Inc. and Folio Investments, Inc., [www.folioinvesting.com/folioinvesting/pricing](http://www.folioinvesting.com/folioinvesting/pricing).
- <sup>105</sup> “Window Trade Times & Frequency.” *Folio*, Folio Financial, Inc. and Folio Investments, Inc., [www.folioinvesting.com/content/retailcontent/window\\_trade\\_info.shtml](http://www.folioinvesting.com/content/retailcontent/window_trade_info.shtml).
- <sup>106</sup> Boyte-White, Claire. “Betterment Review 2018.” *Investopedia Broker Reviews*, Investopedia, LLC, 20 June 2018, [www.investopedia.com/broker/betterment-review](http://www.investopedia.com/broker/betterment-review).
- <sup>107</sup> “Our Pricing.” *Betterment*, Betterment LLC and Betterment Holdings Inc., [www.betterment.com/pricing](http://www.betterment.com/pricing).
- <sup>108</sup> “Trading Platforms.” *ChoiceTrade*, LetsGoTrade Inc, [www.choicetrade.com/stock-trading-software.php](http://www.choicetrade.com/stock-trading-software.php).
- <sup>109</sup> “Pricing.” *ChoiceTrade*, LetsGoTrade Inc, [www.choicetrade.com/ctpricing.php](http://www.choicetrade.com/ctpricing.php).
- <sup>110</sup> Boyte-White, Claire. “ChoiceTrade Review 2018.” *Investopedia Broker Reviews*, Investopedia, LLC, 1 Jan. 2018, [www.investopedia.com/broker/choicetrade-review/#education](http://www.investopedia.com/broker/choicetrade-review/#education).
- <sup>111</sup> “Pricing.” *Just2Trade*, Just2Trade Inc, [just2trade.com/pricing](http://just2trade.com/pricing).
- <sup>112</sup> “Stock Trading Platforms.” *Just2Trade*, Just2Trade Inc, [just2trade.com/stock](http://just2trade.com/stock).
- <sup>113</sup> TV, Investing Apps. “Acorns Portfolio Types Explained: Which Portfolio Is Right For You?” *YouTube*, YouTube, LLC, 3 Feb. 2018, [www.youtube.com/watch?v=k4Z7Ap7EkY](http://www.youtube.com/watch?v=k4Z7Ap7EkY).
- <sup>114</sup> “Pricing.” *Acorns*, Acorns Advisers LLC, [www.acorns.com/pricing](http://www.acorns.com/pricing).
- <sup>115</sup> “AMD Interactive Stock Chart.” *Advanced Micro Devices, Inc. Stock*, Yahoo! Finance, [finance.yahoo.com/chart/AMD](http://finance.yahoo.com/chart/AMD).
- <sup>116</sup> “Powerful trading platforms and tools. Always innovating for you.” TD Ameritrade, TD Ameritrade, Inc., 15 Jan. 2019, 4:20 PM ET, <https://www.tdameritrade.com/tools-and-platforms.page>.
- <sup>117</sup> “Order Execution Quality.” *TD Ameritrade*, TD Ameritrade, Inc. and S3 Matching Technologies, July-Sept. 2018, [www.tdameritrade.com/tools-and-platforms/order-execution.page](http://www.tdameritrade.com/tools-and-platforms/order-execution.page).
- <sup>118</sup> “Our pricing couldn’t be simpler. No, really.” *Tradier Brokerage*, Tradier Brokerage Inc. and Tradier Inc., [brokerage.tradier.com/pricing](http://brokerage.tradier.com/pricing).
- <sup>119</sup> “Bringing choice back to trading.” *Tradier Brokerage*, Tradier Brokerage Inc. and Tradier Inc., [brokerage.tradier.com/platforms](http://brokerage.tradier.com/platforms).

## Chapter 38: The Mentality

<sup>1</sup> “NVDA Interactive Stock Chart.” *NVIDIA Corporation Stock*, Yahoo! Finance, [finance.yahoo.com/chart/NVDA](http://finance.yahoo.com/chart/NVDA).

### Limited Autobiography

<sup>1</sup> Long, Heather. “Dow 22,000? Most Americans don't benefit from record stock market gains.” *Chicago Tribune*, Tribune Publishing Company, 3 Aug. 2017, 7:32 AM, [www.chicagotribune.com/business/ct-americans-dow-22000-investing-20170803-story.html](http://www.chicagotribune.com/business/ct-americans-dow-22000-investing-20170803-story.html).

<sup>2</sup> “2 Billion: Number of Adults Worldwide Without Access to Formal Financial Services.” *The World Bank*, The World Bank Group, 10 Mar. 2016, [www.worldbank.org/en/news/video/2016/03/10/2-billion-number-of-adults-worldwide-without-access-to-formal-financial-services](http://www.worldbank.org/en/news/video/2016/03/10/2-billion-number-of-adults-worldwide-without-access-to-formal-financial-services).

### Registered Trademarks

- ® ChartIQ is a registered trademark of ChartIQ Inc.
- ® Bloomberg is a registered trademark of Bloomberg L.P.
- ® Active Trader Pro is a registered trademark of FMR LLC.
- ® LiveVol is a registered trademark of Cboe Exchange, Inc.
- ® CME Group is a registered trademark of CME Group Inc.
- ® Coffee C is a registered trademark of ICE Futures U.S., Inc.
- ® Nasdaq is a registered trademark of Nasdaq Stock Market, Inc.
- ® Cotton No. 2 is a registered trademark of ICE Futures U.S., Inc.
- ® Barchart.com is a registered trademark of Market Research, Inc.
- ® Sterling Trader is a registered trademark of Precision Securities LLC.
- ® S&P 500 is a registered trademark of Standard & Poor's Corporation.
- ® Microsoft and Excel are registered trademarks of Microsoft Corporation.
- ® StreetSmart Edge is a registered trademark of Charles Schwab & Co., Inc.
- ® CFA is a registered trademark of CFA Institute (Chartered Financial Analysts).
- ® Vanguard Advisor's Alpha is a registered trademark of The Vanguard Group, Inc.
- ® FTSE is a registered trademark of the London Stock Exchange Group companies.
- ® Thomson Reuters is a registered Trademark of Thomson Reuters Canada Limited.
- ® CBOE and VIX are registered service marks of Chicago Board Options Exchange, Inc.
- ® CPP is a registered trademark of ASIS International (Certified Protection Professional).
- ® ICE Futures and ICE Futures U.S. is a registered trademark of Intercontinental Exchange, Inc.
- ® WellsTrade and Portfolio by Wells Fargo are registered trademarks of Wells Fargo & Company.
- ® Dow Jones Industrial Average is a registered trademark of Dow Jones Trademark Holdings LLC.
- ® CFP is a registered trademark of Financial Planner Board of Standards Inc. (Certified Financial Planner).
- ® Standard & Poor's, S&P, and RatingsDirect are registered trademarks of Standard & Poor's Financial Services LLC.
- ® Russell, Russell 3000, Russell 2000, and Russell 1000 are trademarks of the London Stock Exchange Group companies.

Learn more at [www.wootenwealth.com](http://www.wootenwealth.com), and don't miss out on your free course at [www.stockmarketsecrets.exposed](http://www.stockmarketsecrets.exposed):

