

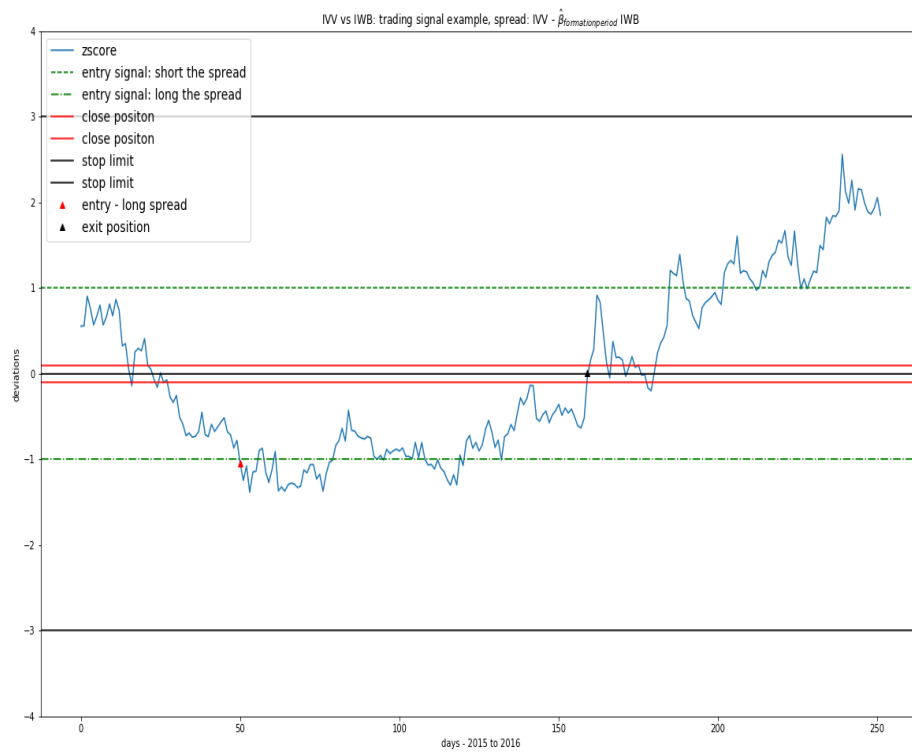
Bachelor Thesis Results part 2

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1 Basic Model - Daily results

Figure 1: Trading Rule example under the Basic model



1.1 Yearly Results

Table 1: Daily average returns 2015

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 156.69 | 97.31 | -1819.75 | 1837.09 | -174.30 | 56075.79 | 0.62 | 0.38 |
| avg stat | 157.73 | 96.42 | -1995.26 | 1903.30 | -246.31 | 37929.77 | 0.62 | 0.38 |
| avg non-stat | 154.44 | 99.23 | -1442.85 | 1694.90 | -19.66 | 95045.11 | 0.61 | 0.39 |
| avg winning stat | 151.00 | 101.00 | -833.66 | 1368.36 | 119.98 | 130234.95 | 0.60 | 0.40 |
| avg winning non-stat | 131.54 | 120.46 | -941.59 | 1383.64 | 153.55 | 138695.78 | 0.52 | 0.48 |

Table 2: Daily average returns 2016

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2016 | loss % | win% |
|----------------------|---------|--------|----------|----------|-----------|-----------|--------|------|
| avg | 315.20 | 189.73 | -3602.46 | 4134.10 | -18.29 | 90781.32 | 0.62 | 0.38 |
| avg stat | 318.08 | 187.27 | -3985.36 | 4548.29 | -104.11 | 47530.64 | 0.63 | 0.37 |
| avg non-stat | 308.95 | 195.05 | -2773.88 | 3237.81 | 167.41 | 184372.96 | 0.61 | 0.39 |
| avg winning stat | 312.43 | 191.57 | -7507.95 | 10490.82 | 876.47 | 541741.42 | 0.62 | 0.38 |
| avg winning non-stat | 268.88 | 235.12 | -8486.62 | 9948.14 | 795.25 | 500804.13 | 0.53 | 0.47 |

Table 3: Daily average returns 2017

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2017 | loss % | win% |
|----------------------|---------|--------|-----------|----------|-----------|------------|--------|------|
| avg | 472.13 | 284.53 | -7595.03 | 8677.84 | 152.49 | 215132.20 | 0.62 | 0.38 |
| avg stat | 475.97 | 281.44 | -9185.56 | 10384.14 | 150.68 | 213759.67 | 0.63 | 0.37 |
| avg non-stat | 463.75 | 291.25 | -4127.15 | 4957.54 | 156.46 | 218124.76 | 0.61 | 0.39 |
| avg winning stat | 451.71 | 303.29 | -16559.64 | 19792.59 | 1411.19 | 1165449.97 | 0.60 | 0.40 |
| avg winning non-stat | 404.33 | 350.67 | -12699.53 | 15869.92 | 991.06 | 848247.92 | 0.54 | 0.46 |

1.2 Daily returns under Bands

1.3 Moving windows

Table 4: Daily average returns 2018

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2018 | loss % | win% |
|----------------------|---------|--------|-----------|----------|-----------|------------|--------|------|
| avg | 629.25 | 376.75 | -22737.44 | 24901.70 | -199.62 | -100818.66 | 0.63 | 0.37 |
| avg stat | 634.37 | 371.63 | -21188.03 | 22608.83 | 42.45 | 142704.92 | 0.63 | 0.37 |
| avg non-stat | 618.02 | 387.98 | -26141.06 | 29938.51 | -731.38 | -635772.12 | 0.61 | 0.39 |
| avg winning stat | 602.12 | 403.88 | -30786.27 | 38347.33 | 3986.62 | 4110539.07 | 0.60 | 0.40 |
| avg winning non-stat | 551.06 | 454.94 | -24618.03 | 28141.09 | 773.83 | 878475.74 | 0.55 | 0.45 |

Table 5: Daily average returns Band = 0.25

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 150.76 | 104.10 | -2915.35 | 4506.94 | -63.74 | 83938.72 | 0.59 | 0.41 |
| avg stat | 151.98 | 103.40 | -3517.02 | 5824.08 | -43.44 | 89052.22 | 0.59 | 0.41 |
| avg non-stat | 148.03 | 105.66 | -1573.94 | 1570.35 | -108.98 | 72538.15 | 0.58 | 0.42 |
| avg winning stat | 137.81 | 114.19 | -7081.06 | 9407.87 | 845.42 | 313046.56 | 0.55 | 0.45 |
| avg winning non-stat | 127.45 | 124.55 | -1881.84 | 2453.71 | 318.43 | 180244.39 | 0.51 | 0.49 |

Table 6: Daily average returns Band = 0.50

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 151.39 | 102.96 | -2367.08 | 3734.48 | -115.74 | 70832.66 | 0.59 | 0.41 |
| avg stat | 151.92 | 102.74 | -2749.69 | 4669.95 | -147.46 | 62840.79 | 0.60 | 0.40 |
| avg non-stat | 150.25 | 103.43 | -1532.86 | 1694.85 | -46.60 | 88257.55 | 0.59 | 0.41 |
| avg winning stat | 144.39 | 107.61 | -3487.79 | 5423.95 | 719.39 | 281285.88 | 0.57 | 0.43 |
| avg winning non-stat | 128.36 | 123.64 | -978.34 | 1422.05 | 156.63 | 139471.03 | 0.51 | 0.49 |

Table 7: Daily average returns Band = 0.75

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 152.90 | 101.10 | -2512.14 | 2608.62 | -183.27 | 53815.48 | 0.60 | 0.40 |
| avg stat | 153.35 | 100.80 | -2975.25 | 3028.87 | -251.06 | 36732.55 | 0.60 | 0.40 |
| avg non-stat | 151.92 | 101.75 | -1517.60 | 1706.12 | -37.69 | 90501.77 | 0.60 | 0.40 |
| avg winning stat | 143.00 | 109.00 | -1783.99 | 2315.41 | 114.67 | 128895.77 | 0.57 | 0.43 |
| avg winning non-stat | 130.21 | 121.79 | -898.09 | 1308.03 | 145.44 | 136650.41 | 0.52 | 0.48 |

Table 8: Daily average returns Band = 1.0

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 156.69 | 97.31 | -1819.75 | 1837.09 | -174.30 | 56075.79 | 0.62 | 0.38 |
| avg stat | 157.73 | 96.42 | -1995.26 | 1903.30 | -246.31 | 37929.77 | 0.62 | 0.38 |
| avg non-stat | 154.44 | 99.23 | -1442.85 | 1694.90 | -19.66 | 95045.11 | 0.61 | 0.39 |
| avg winning stat | 151.00 | 101.00 | -833.66 | 1368.36 | 119.98 | 130234.95 | 0.60 | 0.40 |
| avg winning non-stat | 131.54 | 120.46 | -941.59 | 1383.64 | 153.55 | 138695.78 | 0.52 | 0.48 |

Table 9: Daily average returns Band = 1.25

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 158.71 | 95.30 | -1729.85 | 1754.20 | -179.96 | 54648.99 | 0.62 | 0.38 |
| avg stat | 158.90 | 95.26 | -1981.87 | 1848.86 | -259.73 | 34548.06 | 0.62 | 0.38 |
| avg non-stat | 158.30 | 95.38 | -1209.28 | 1558.68 | -15.20 | 96168.93 | 0.62 | 0.38 |
| avg winning stat | 148.04 | 103.96 | -585.01 | 953.12 | 93.81 | 123640.77 | 0.59 | 0.41 |
| avg winning non-stat | 133.92 | 118.08 | -4575.16 | 5973.93 | 168.03 | 142344.52 | 0.53 | 0.47 |

Table 10: Daily average returns Band = 1.5

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 163.14 | 91.10 | -1845.90 | 1884.45 | -183.33 | 53801.13 | 0.64 | 0.36 |
| avg stat | 162.63 | 91.87 | -2163.64 | 2044.93 | -264.00 | 33473.02 | 0.64 | 0.36 |
| avg non-stat | 164.18 | 89.52 | -1189.60 | 1552.97 | -16.71 | 95790.33 | 0.65 | 0.35 |
| avg winning stat | 152.92 | 99.08 | -1512.78 | 1944.54 | 99.76 | 125140.14 | 0.61 | 0.39 |
| avg winning non-stat | 144.12 | 107.88 | -3276.58 | 4278.01 | 113.95 | 128714.96 | 0.57 | 0.43 |

Table 11: Daily average returns Band = 1.75

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 167.55 | 86.69 | -2279.85 | 2401.65 | -224.17 | 43509.74 | 0.66 | 0.34 |
| avg stat | 165.98 | 88.54 | -2893.41 | 2889.55 | -329.61 | 16938.88 | 0.65 | 0.35 |
| avg non-stat | 170.77 | 82.92 | -1022.54 | 1401.87 | -8.10 | 97958.23 | 0.67 | 0.33 |
| avg winning stat | 158.08 | 93.92 | -1372.83 | 2089.46 | 86.06 | 121686.49 | 0.63 | 0.37 |
| avg winning non-stat | 149.06 | 102.94 | -2741.23 | 3715.78 | 128.77 | 132449.36 | 0.59 | 0.41 |

Table 12: Daily average returns Band = 2.0

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 172.65 | 81.63 | -2198.39 | 2303.96 | -201.18 | 49301.71 | 0.68 | 0.32 |
| avg stat | 170.77 | 83.77 | -2771.85 | 2729.84 | -294.88 | 25691.35 | 0.67 | 0.33 |
| avg non-stat | 176.52 | 77.22 | -1013.23 | 1423.80 | -7.55 | 98096.46 | 0.70 | 0.30 |
| avg winning stat | 158.78 | 93.22 | -1061.79 | 1632.31 | 104.09 | 126231.14 | 0.63 | 0.37 |
| avg winning non-stat | 152.06 | 99.94 | -2734.01 | 3728.52 | 127.30 | 132078.83 | 0.60 | 0.40 |

Table 13: Daily average returns Moving Window = 15

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 140.40 | 113.23 | -3072.20 | 3398.35 | 81.14 | 120448.44 | 0.55 | 0.45 |
| avg stat | 141.72 | 112.63 | -3959.71 | 4403.75 | 150.46 | 137916.75 | 0.56 | 0.44 |
| avg non-stat | 137.40 | 114.60 | -1045.71 | 1102.69 | -77.13 | 80562.47 | 0.55 | 0.45 |
| avg winning stat | 132.65 | 119.35 | -7833.41 | 8958.53 | 601.01 | 251454.55 | 0.53 | 0.47 |
| avg winning non-stat | 130.48 | 121.52 | -545.09 | 727.72 | 75.55 | 119039.82 | 0.52 | 0.48 |

Table 14: Daily average returns Moving Window = 30

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 143.70 | 110.12 | -2266.60 | 2691.47 | 15.06 | 103796.27 | 0.57 | 0.43 |
| avg stat | 144.87 | 109.74 | -2913.02 | 3497.56 | 56.87 | 114330.65 | 0.57 | 0.43 |
| avg non-stat | 141.02 | 110.98 | -790.62 | 850.89 | -80.39 | 79742.78 | 0.56 | 0.44 |
| avg winning stat | 135.80 | 116.20 | -5311.93 | 6386.94 | 348.79 | 187894.50 | 0.54 | 0.46 |
| avg winning non-stat | 138.85 | 113.15 | -414.11 | 566.62 | 31.20 | 107861.64 | 0.55 | 0.45 |

Table 15: Daily average returns Moving Window = 45

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 144.85 | 108.69 | -926.44 | 1073.08 | -72.38 | 81760.39 | 0.57 | 0.43 |
| avg stat | 145.99 | 108.23 | -980.47 | 1174.74 | -69.17 | 82569.06 | 0.57 | 0.43 |
| avg non-stat | 142.25 | 109.75 | -803.08 | 840.97 | -79.71 | 79913.91 | 0.57 | 0.43 |
| avg winning stat | 136.50 | 115.50 | -546.07 | 761.87 | 55.46 | 113975.11 | 0.54 | 0.46 |
| avg winning non-stat | 139.07 | 112.93 | -441.13 | 607.68 | 36.63 | 109230.82 | 0.55 | 0.45 |

Table 16: Daily average returns Moving Window = 60

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 149.36 | 104.13 | -669.58 | 808.27 | -27.34 | 93110.08 | 0.59 | 0.41 |
| avg stat | 150.99 | 103.15 | -637.41 | 805.80 | -4.70 | 98816.04 | 0.59 | 0.41 |
| avg non-stat | 145.63 | 106.37 | -743.05 | 813.92 | -79.04 | 80081.47 | 0.58 | 0.42 |
| avg winning stat | 144.86 | 107.14 | -577.96 | 801.12 | 53.15 | 113394.88 | 0.58 | 0.42 |
| avg winning non-stat | 144.67 | 107.33 | -408.00 | 588.83 | 26.23 | 106610.58 | 0.57 | 0.43 |

Table 17: Daily average returns Moving Window = 90

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 148.62 | 105.12 | -634.45 | 771.09 | -37.23 | 90618.19 | 0.59 | 0.41 |
| avg stat | 150.85 | 103.64 | -570.15 | 740.14 | -20.01 | 94957.07 | 0.59 | 0.41 |
| avg non-stat | 143.52 | 108.48 | -781.27 | 841.75 | -76.54 | 80711.08 | 0.57 | 0.43 |
| avg winning stat | 142.09 | 109.91 | -437.86 | 625.80 | 31.40 | 107912.32 | 0.56 | 0.44 |
| avg winning non-stat | 139.88 | 112.12 | -460.11 | 607.42 | 28.76 | 107246.41 | 0.56 | 0.44 |

Table 18: Daily average returns Moving Window = 120

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 148.98 | 104.56 | -637.81 | 746.21 | -37.47 | 90557.17 | 0.59 | 0.41 |
| avg stat | 150.60 | 103.61 | -585.70 | 715.11 | -23.30 | 94129.49 | 0.59 | 0.41 |
| avg non-stat | 145.28 | 106.72 | -756.80 | 817.22 | -69.84 | 82400.38 | 0.58 | 0.42 |
| avg winning stat | 144.48 | 107.52 | -418.78 | 640.50 | 42.81 | 110787.33 | 0.57 | 0.43 |
| avg winning non-stat | 144.43 | 107.57 | -443.51 | 609.97 | 30.21 | 107612.82 | 0.57 | 0.43 |

Table 19: Daily average returns Moving Window = 252

| | no_loss | no_win | avg_loss | avg_win | whole_avg | perf_2015 | loss % | win% |
|----------------------|---------|--------|----------|---------|-----------|-----------|--------|------|
| avg | 149.14 | 104.58 | -552.71 | 703.94 | -8.86 | 97766.49 | 0.59 | 0.41 |
| avg stat | 149.28 | 105.20 | -584.96 | 744.04 | 2.27 | 100572.58 | 0.59 | 0.41 |
| avg non-stat | 148.82 | 103.18 | -479.08 | 612.38 | -34.29 | 91359.24 | 0.59 | 0.41 |
| avg winning stat | 143.29 | 108.71 | -396.27 | 671.05 | 90.16 | 122719.76 | 0.57 | 0.43 |
| avg winning non-stat | 152.94 | 99.06 | -325.06 | 525.25 | 35.72 | 109001.46 | 0.61 | 0.39 |