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Addendum 2 to the CRI Technical Report (Version: 2017, Update 1)

This addendum updates the Technical Report (Version: 2017, Update 1) and details the addition of Botswana, Ghana, Kenya, Malawi, Mauritius, Namibia, United Republic of Tanzania, Uganda and Rwanda to the CRI coverage. These changes have been implemented as of the October calibration, which was put into effect on 10 October 2017.

I. Changes to the grouping of monthly calibration

The CRI now covers 87 stock exchanges with the addition of these 9 economies. In order to ensure that there are enough defaults for calibration, various economies under the CRI coverage are categorized according to similarities in their stage of economic development as well as geographic location. Within these groups the economies are combined and calibrated together.

Based on this approach, Botswana, Ghana, Kenya, Malawi, Mauritius, Namibia, United Republic of Tanzania, Uganda and Rwanda have been added to the group of emerging economies (in addition to Bahrain, Egypt, Israel, Jordan, Kuwait, Morocco, Nigeria, Oman, Saudi Arabia, South Africa, Tunisia and the United Arab Emirates) which are grouped together with the 9 Asian countries (Bangladesh, Indonesia, Kazakhstan, Malaysia, Pakistan, the Philippines, Sri Lanka, Thailand and Vietnam) and 8 Latin American countries (Argentina, Brazil, Chile, Colombia, Jamaica, Mexico, Peru and Venezuela) to form the calibration group “emerging markets”.

II. Description and summary statistics

When adding new countries to the CRI coverage, several benchmark indices are carefully selected. The details are listed in the tables below.

| Economy | Botswana | Ghana | Kenya |
|---|--|---|--|
| ISO Code | BW | GH | KE |
| Calibration Group | Emerging | Emerging | Emerging |
| Stock Index (Period Used) | Botswana Domestic Companies Index (1989-06-30 - Present) | GSE Composite Index (2010-12-31 - Present) | Kenya Nairobi Stock Exchange Index (1990-01-11 - Present) |
| Short Term Interest Rate (Period Used) | Botswana, Treasury Bills, Nominal Yield, 3 Month Average (2004-11-01 - Present) | Ghana 3 Month Bill Auction Average Yield (2007-11-02 – Present) | Thomson Reuters Kenya GVT BMK Bid Yield 3 Months (2009-05-26 - Present) |
| Interest Rate Name (Period Used) | Thomson Reuters Botswana Pula 1 Year Deposit (2010-07-27 - Present) | Ghana 1YR Note Auction Average Yield (2007-11-02 - Present) | Thomson Reuters Kenya GVT BMK Bid Yield 1 Year (2009-05-26 - Present) |

Table 1: ISO Code, stock index and interest rates for Botswana, Ghana and Kenya

| Economy | Malawi | Mauritius | Namibia |
|---|---|--|--|
| ISO Code | MW | MU | NA |
| Calibration Group | Emerging | Emerging | Emerging |
| Stock Index (Period Used) | Malawi All Share Index (1996-11-15 - Present) | Mauritius Stock Exchange SEMDEX Index (1989-07-05 - Present) | Namibia Overall Index (2003-12-19 - Present) |
| Short Term Interest Rate (Period Used) | Malawi 3 Month T-Bill Auction Average Yield (2009-01-02 - Present) | Thomson Reuters Mauritius GVT BMK Bid Yield 1 Year (2010-05-26 - Present) | Namibia, Treasury Bills, Effective Yield, 3 Month (1991-05-01 - Present) |
| Interest Rate Name (Period Used) | MALAWI 12 Month Bill Auction Average Accepted Yield (2012-03-06 - Present) | Thomson Reuters Mauritius GVT BMK Bid Yield 1 Year (2010-05-26 - Present) | Namibia 12 Month Bill Auction Average Yield (2002-03-13 - Present) |

Table 2: ISO Code, stock index and interest rates for Malawi, Mauritius and Namibia

| Economy | United Republic of Tanzania | Uganda | Rwanda |
|---|---|---|---|
| ISO Code | TZ | UG | RW |
| Calibration Group | Emerging | Emerging | Emerging |
| Stock Index (Period Used) | Tanzania Share (TSI) Index (2009-04-03 - Present) | Uganda SE All Share Index (2003-10-28 - Present) | Rwanda Stock Exchange All Share Index (2013-01-10 - Present) |
| Short Term Interest Rate (Period Used) | Tanzania 3 Month Bill Auction Average Yield (2003-01-02 - Present) | Uganda 3 Month Bill Auction Average Yield (2005-01-05 - Present) | Rwanda 3 Month Bill Auction Average Yield (2009-04-22 - Present) |
| Interest Rate Name (Period Used) | Tanzania 12 Month Bill Auction Average Yield (2003-01-02 - Present) | Uganda 12 Month Bill Auction Average Yield (2005-01-05 - Present) | Rwanda 12 Month Bill Auction Average Yield (2010-05-12 - Present) |

Table 3: ISO Code, stock index and interest rates for Tanzania, Uganda and Rwanda

The following tables provide further information on the input variables included in the RMI PD model, the number of active companies, defaults and other exits.

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|--------|--------|--------|--------|--------------|
| DTD Level | 0.081 | 6.560 | 10.052 | 14.784 | 31.623 | 11.679 | 7.415 | 1224 |
| DTD Trend | -10.192 | -2.318 | 0.010 | 1.883 | 8.888 | 0.077 | 4.283 | 1224 |
| Cash/TA Level | 0.000 | 0.040 | 0.123 | 0.209 | 0.979 | 0.144 | 0.138 | 3942 |
| Cash/TA Trend | -0.259 | -0.011 | 0.000 | 0.011 | 0.429 | 0.001 | 0.047 | 3942 |
| NI/TA Level | -0.037 | 0.003 | 0.006 | 0.013 | 0.028 | 0.008 | 0.009 | 3970 |
| NI/TA Trend | -0.028 | -0.001 | 0.000 | 0.001 | 0.027 | 0.000 | 0.004 | 3970 |
| Size Level | -5.810 | -0.975 | 0.066 | 1.521 | 6.403 | 0.159 | 1.527 | 3888 |
| Size Trend | -1.624 | -0.077 | 0.010 | 0.099 | 1.918 | 0.004 | 0.245 | 3888 |
| M/B | 0.447 | 1.127 | 1.421 | 1.903 | 19.650 | 1.965 | 2.040 | 3367 |
| Sigma | 0.016 | 0.031 | 0.047 | 0.067 | 0.389 | 0.058 | 0.046 | 1647 |

Table 4: Botswana – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|-------|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 8 | 0 | 0 | 0 | 0 |
| 1997 | 11 | 0 | 0 | 0 | 0 |
| 1998 | 12 | 0 | 0 | 0 | 0 |
| 1999 | 15 | 0 | 0 | 0 | 0 |
| 2000 | 16 | 0 | 0 | 0 | 0 |
| 2001 | 16 | 0 | 0 | 0 | 0 |
| 2002 | 18 | 0 | 0 | 0 | 0 |
| 2003 | 19 | 0 | 0 | 0 | 0 |
| 2004 | 19 | 0 | 0 | 2 | 10.53 |
| 2005 | 17 | 0 | 0 | 0 | 0 |
| 2006 | 17 | 0 | 0 | 0 | 0 |
| 2007 | 18 | 0 | 0 | 0 | 0 |
| 2008 | 21 | 0 | 0 | 1 | 4.76 |
| 2009 | 20 | 0 | 0 | 0 | 0 |
| 2010 | 22 | 0 | 0 | 1 | 4.55 |
| 2011 | 22 | 0 | 0 | 0 | 0 |
| 2012 | 23 | 0 | 0 | 0 | 0 |
| 2013 | 24 | 0 | 0 | 1 | 4.17 |
| 2014 | 23 | 0 | 0 | 1 | 4.35 |
| 2015 | 23 | 0 | 0 | 2 | 8.70 |
| 2016 | 23 | 0 | 0 | 0 | 0 |

Table 5: Botswana – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| DTD Level | -1.999 | 0.587 | 2.465 | 4.903 | 19.458 | 3.404 | 3.849 | 1314 |
| DTD Trend | -7.800 | -0.574 | -0.074 | 0.340 | 8.888 | -0.196 | 1.410 | 1314 |
| Cash/TA Level | 0.000 | 0.046 | 0.115 | 0.235 | 0.597 | 0.144 | 0.118 | 1971 |
| Cash/TA Trend | -0.379 | -0.019 | 0.000 | 0.018 | 0.429 | -0.001 | 0.060 | 1971 |
| NI/TA Level | -0.037 | -0.001 | 0.003 | 0.007 | 0.028 | 0.003 | 0.011 | 1971 |
| NI/TA Trend | -0.028 | -0.002 | 0.000 | 0.001 | 0.027 | 0.000 | 0.008 | 1971 |
| Size Level | -5.926 | -3.093 | -1.144 | -0.319 | 1.804 | -1.622 | 1.959 | 1904 |
| Size Trend | -1.077 | -0.229 | -0.070 | 0.055 | 1.769 | -0.078 | 0.250 | 1904 |
| M/B | 0.465 | 0.984 | 1.131 | 1.577 | 19.650 | 1.603 | 1.471 | 1699 |
| Sigma | 0.026 | 0.073 | 0.092 | 0.119 | 1.150 | 0.115 | 0.118 | 968 |

Table 6: Ghana – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|-----|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 0 | 0 | NaN | 0 | NaN |
| 1998 | 0 | 0 | NaN | 0 | NaN |
| 1999 | 0 | 0 | NaN | 0 | NaN |
| 2000 | 0 | 0 | NaN | 0 | NaN |
| 2001 | 0 | 0 | NaN | 0 | NaN |
| 2002 | 0 | 0 | NaN | 0 | NaN |
| 2003 | 0 | 0 | NaN | 0 | NaN |
| 2004 | 0 | 0 | NaN | 0 | NaN |
| 2005 | 0 | 0 | NaN | 0 | NaN |
| 2006 | 0 | 0 | NaN | 0 | NaN |
| 2007 | 0 | 0 | NaN | 0 | NaN |
| 2008 | 0 | 0 | NaN | 0 | NaN |
| 2009 | 0 | 0 | NaN | 0 | NaN |
| 2010 | 12 | 0 | 0 | 0 | 0 |
| 2011 | 24 | 0 | 0 | 0 | 0 |
| 2012 | 26 | 0 | 0 | 0 | 0 |
| 2013 | 27 | 0 | 0 | 0 | 0 |
| 2014 | 27 | 0 | 0 | 0 | 0 |
| 2015 | 29 | 0 | 0 | 0 | 0 |
| 2016 | 32 | 0 | 0 | 0 | 0 |

Table 7: Ghana – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|-------|--------|--------|--------|--------------|
| DTD Level | -1.254 | 1.794 | 2.832 | 4.362 | 31.623 | 3.433 | 2.698 | 5100 |
| DTD Trend | -10.192 | -0.542 | -0.056 | 0.368 | 7.046 | -0.093 | 1.048 | 5100 |
| Cash/TA Level | 0.000 | 0.021 | 0.062 | 0.133 | 0.434 | 0.089 | 0.086 | 9963 |
| Cash/TA Trend | -0.321 | -0.008 | 0.000 | 0.005 | 0.408 | -0.001 | 0.034 | 9963 |
| NI/TA Level | -0.037 | 0.001 | 0.003 | 0.007 | 0.028 | 0.004 | 0.006 | 10120 |
| NI/TA Trend | -0.028 | -0.001 | 0.000 | 0.000 | 0.027 | 0.000 | 0.004 | 10120 |
| Size Level | -5.926 | -1.681 | -0.445 | 0.760 | 5.035 | -0.452 | 1.793 | 11167 |
| Size Trend | -1.624 | -0.094 | 0.012 | 0.137 | 1.918 | 0.031 | 0.235 | 11167 |
| M/B | 0.197 | 0.852 | 1.077 | 1.405 | 19.650 | 1.388 | 1.278 | 9814 |
| Sigma | 0.034 | 0.088 | 0.116 | 0.155 | 0.521 | 0.128 | 0.056 | 9330 |

Table 8: Kenya – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|------|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 44 | 0 | 0 | 0 | 0 |
| 1998 | 44 | 0 | 0 | 0 | 0 |
| 1999 | 44 | 0 | 0 | 0 | 0 |
| 2000 | 44 | 0 | 0 | 2 | 4.55 |
| 2001 | 46 | 0 | 0 | 1 | 2.17 |
| 2002 | 45 | 0 | 0 | 0 | 0 |
| 2003 | 47 | 0 | 0 | 1 | 2.13 |
| 2004 | 46 | 0 | 0 | 1 | 2.17 |
| 2005 | 46 | 0 | 0 | 2 | 4.35 |
| 2006 | 48 | 0 | 0 | 0 | 0 |
| 2007 | 51 | 0 | 0 | 0 | 0 |
| 2008 | 53 | 0 | 0 | 0 | 0 |
| 2009 | 54 | 0 | 0 | 3 | 5.56 |
| 2010 | 51 | 0 | 0 | 0 | 0 |
| 2011 | 55 | 0 | 0 | 1 | 1.82 |
| 2012 | 56 | 0 | 0 | 0 | 0 |
| 2013 | 58 | 0 | 0 | 3 | 5.17 |
| 2014 | 59 | 0 | 0 | 0 | 0 |
| 2015 | 60 | 0 | 0 | 0 | 0 |
| 2016 | 62 | 0 | 0 | 0 | 0 |

Table 9: Kenya – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|--------|--------|--------|-------|--------|--------|--------|--------------|
| DTD Level | -1.134 | 0.990 | 2.407 | 4.187 | 14.405 | 3.259 | 3.107 | 345 |
| DTD Trend | -7.385 | -0.459 | 0.070 | 0.689 | 8.888 | 0.093 | 1.813 | 345 |
| Cash/TA Level | 0.001 | 0.034 | 0.126 | 0.256 | 0.465 | 0.149 | 0.125 | 1056 |
| Cash/TA Trend | -0.209 | -0.004 | 0.000 | 0.012 | 0.429 | 0.008 | 0.051 | 1056 |
| NI/TA Level | -0.008 | 0.002 | 0.004 | 0.006 | 0.028 | 0.006 | 0.006 | 1045 |
| NI/TA Trend | -0.028 | -0.001 | 0.000 | 0.000 | 0.027 | 0.000 | 0.004 | 1045 |
| Size Level | -5.409 | -2.035 | -0.229 | 0.456 | 2.039 | -0.738 | 1.592 | 1204 |
| Size Trend | -1.624 | -0.086 | 0.000 | 0.120 | 1.918 | 0.021 | 0.306 | 1204 |
| M/B | 0.415 | 0.881 | 1.096 | 1.423 | 19.650 | 1.333 | 1.000 | 885 |
| Sigma | 0.024 | 0.073 | 0.103 | 0.235 | 0.247 | 0.133 | 0.077 | 86 |

Table 10: Malawi – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|------|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 0 | 0 | NaN | 0 | NaN |
| 1998 | 2 | 0 | 0 | 0 | 0 |
| 1999 | 2 | 0 | 0 | 0 | 0 |
| 2000 | 3 | 0 | 0 | 0 | 0 |
| 2001 | 4 | 0 | 0 | 0 | 0 |
| 2002 | 4 | 0 | 0 | 0 | 0 |
| 2003 | 5 | 0 | 0 | 0 | 0 |
| 2004 | 5 | 0 | 0 | 0 | 0 |
| 2005 | 5 | 0 | 0 | 0 | 0 |
| 2006 | 5 | 0 | 0 | 5 | 100 |
| 2007 | 0 | 0 | NaN | 0 | NaN |
| 2008 | 0 | 0 | NaN | 0 | NaN |
| 2009 | 11 | 0 | 0 | 0 | 0 |
| 2010 | 11 | 0 | 0 | 0 | 0 |
| 2011 | 11 | 0 | 0 | 0 | 0 |
| 2012 | 13 | 0 | 0 | 0 | 0 |
| 2013 | 13 | 0 | 0 | 0 | 0 |
| 2014 | 13 | 0 | 0 | 0 | 0 |
| 2015 | 13 | 0 | 0 | 0 | 0 |
| 2016 | 13 | 0 | 0 | 1 | 7.69 |

Table 11: Malawi – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|--------|--------|--------|--------|--------------|
| DTD Level | 0.589 | 4.343 | 6.508 | 11.131 | 31.623 | 8.812 | 6.694 | 2683 |
| DTD Trend | -10.192 | -0.952 | -0.060 | 0.797 | 8.888 | -0.110 | 2.691 | 2683 |
| Cash/TA Level | 0.000 | 0.005 | 0.021 | 0.057 | 0.980 | 0.052 | 0.095 | 6546 |
| Cash/TA Trend | -0.379 | -0.003 | 0.000 | 0.002 | 0.429 | 0.000 | 0.036 | 6546 |
| NI/TA Level | -0.037 | 0.001 | 0.003 | 0.006 | 0.028 | 0.004 | 0.006 | 7193 |
| NI/TA Trend | -0.028 | -0.001 | 0.000 | 0.001 | 0.027 | 0.000 | 0.006 | 7193 |
| Size Level | -4.799 | -0.860 | -0.097 | 0.701 | 3.619 | -0.114 | 1.282 | 7635 |
| Size Trend | -1.623 | -0.084 | -0.008 | 0.067 | 1.918 | -0.004 | 0.195 | 7635 |
| M/B | 0.179 | 0.716 | 0.910 | 1.157 | 19.650 | 1.086 | 0.901 | 6938 |
| Sigma | 0.016 | 0.045 | 0.064 | 0.092 | 0.599 | 0.076 | 0.052 | 5345 |

Table 12: Mauritius – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|------|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 26 | 0 | 0 | 0 | 0 |
| 1996 | 29 | 0 | 0 | 0 | 0 |
| 1997 | 29 | 0 | 0 | 0 | 0 |
| 1998 | 29 | 0 | 0 | 0 | 0 |
| 1999 | 29 | 0 | 0 | 0 | 0 |
| 2000 | 29 | 0 | 0 | 0 | 0 |
| 2001 | 29 | 0 | 0 | 0 | 0 |
| 2002 | 30 | 0 | 0 | 0 | 0 |
| 2003 | 30 | 0 | 0 | 0 | 0 |
| 2004 | 30 | 0 | 0 | 0 | 0 |
| 2005 | 31 | 0 | 0 | 0 | 0 |
| 2006 | 32 | 0 | 0 | 0 | 0 |
| 2007 | 32 | 0 | 0 | 0 | 0 |
| 2008 | 33 | 0 | 0 | 0 | 0 |
| 2009 | 33 | 0 | 0 | 0 | 0 |
| 2010 | 33 | 0 | 0 | 0 | 0 |
| 2011 | 34 | 0 | 0 | 0 | 0 |
| 2012 | 38 | 0 | 0 | 0 | 0 |
| 2013 | 39 | 0 | 0 | 0 | 0 |
| 2014 | 42 | 0 | 0 | 0 | 0 |
| 2015 | 42 | 0 | 0 | 1 | 2.38 |
| 2016 | 44 | 0 | 0 | 0 | 0 |

Table 13: Mauritius – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|--------|--------|--------|--------|--------------|
| DTD Level | 0.755 | 6.234 | 8.037 | 10.975 | 31.623 | 9.670 | 5.867 | 443 |
| DTD Trend | -10.192 | -1.171 | 0.000 | 1.601 | 8.888 | 0.283 | 3.765 | 443 |
| Cash/TA Level | 0.000 | 0.024 | 0.070 | 0.164 | 0.593 | 0.117 | 0.124 | 811 |
| Cash/TA Trend | -0.379 | -0.009 | 0.000 | 0.005 | 0.269 | -0.003 | 0.048 | 811 |
| NI/TA Level | 0.001 | 0.002 | 0.006 | 0.009 | 0.028 | 0.008 | 0.007 | 811 |
| NI/TA Trend | -0.014 | 0.000 | 0.000 | 0.000 | 0.013 | 0.000 | 0.003 | 811 |
| Size Level | -5.926 | -1.375 | -0.105 | 0.526 | 1.916 | -0.673 | 1.796 | 780 |
| Size Trend | -1.624 | -0.044 | 0.024 | 0.120 | 1.918 | 0.108 | 0.380 | 780 |
| M/B | 0.781 | 1.099 | 1.258 | 1.529 | 5.006 | 1.495 | 0.736 | 688 |
| Sigma | 0.016 | 0.021 | 0.029 | 0.053 | 0.106 | 0.039 | 0.024 | 210 |

Table 14: Namibia – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|-------|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 0 | 0 | NaN | 0 | NaN |
| 1998 | 0 | 0 | NaN | 0 | NaN |
| 1999 | 0 | 0 | NaN | 0 | NaN |
| 2000 | 0 | 0 | NaN | 0 | NaN |
| 2001 | 0 | 0 | NaN | 0 | NaN |
| 2002 | 0 | 0 | NaN | 0 | NaN |
| 2003 | 5 | 0 | 0 | 0 | 0 |
| 2004 | 5 | 0 | 0 | 0 | 0 |
| 2005 | 5 | 0 | 0 | 0 | 0 |
| 2006 | 6 | 0 | 0 | 1 | 16.67 |
| 2007 | 5 | 0 | 0 | 0 | 0 |
| 2008 | 5 | 0 | 0 | 1 | 20 |
| 2009 | 4 | 0 | 0 | 0 | 0 |
| 2010 | 5 | 0 | 0 | 0 | 0 |
| 2011 | 6 | 0 | 0 | 1 | 16.67 |
| 2012 | 5 | 0 | 0 | 0 | 0 |
| 2013 | 8 | 0 | 0 | 0 | 0 |
| 2014 | 8 | 0 | 0 | 0 | 0 |
| 2015 | 8 | 0 | 0 | 0 | 0 |
| 2016 | 8 | 0 | 0 | 0 | 0 |

Table 15: Namibia – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|--------|--------|--------|--------|--------------|
| DTD Level | 0.698 | 2.579 | 7.132 | 13.599 | 31.623 | 8.855 | 7.228 | 788 |
| DTD Trend | -10.192 | -1.725 | -0.283 | 0.565 | 8.888 | -0.650 | 3.415 | 788 |
| Cash/TA Level | 0.004 | 0.053 | 0.144 | 0.233 | 0.864 | 0.174 | 0.151 | 929 |
| Cash/TA Trend | -0.379 | -0.022 | 0.000 | 0.014 | 0.242 | -0.003 | 0.057 | 929 |
| NI/TA Level | -0.037 | 0.002 | 0.007 | 0.021 | 0.028 | 0.010 | 0.013 | 916 |
| NI/TA Trend | -0.014 | -0.001 | 0.000 | 0.001 | 0.027 | 0.001 | 0.005 | 916 |
| Size Level | -5.926 | -3.091 | -0.737 | 0.213 | 1.340 | -1.298 | 1.744 | 1007 |
| Size Trend | -0.620 | -0.087 | -0.002 | 0.064 | 1.101 | -0.009 | 0.172 | 1007 |
| M/B | 0.771 | 1.068 | 1.490 | 2.305 | 19.650 | 2.678 | 3.351 | 886 |
| Sigma | 0.016 | 0.035 | 0.065 | 0.098 | 0.301 | 0.073 | 0.047 | 739 |

Table 16: Tanzania – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|------|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 0 | 0 | NaN | 0 | NaN |
| 1998 | 0 | 0 | NaN | 0 | NaN |
| 1999 | 0 | 0 | NaN | 0 | NaN |
| 2000 | 0 | 0 | NaN | 0 | NaN |
| 2001 | 0 | 0 | NaN | 0 | NaN |
| 2002 | 0 | 0 | NaN | 0 | NaN |
| 2003 | 0 | 0 | NaN | 0 | NaN |
| 2004 | 0 | 0 | NaN | 0 | NaN |
| 2005 | 0 | 0 | NaN | 0 | NaN |
| 2006 | 0 | 0 | NaN | 0 | NaN |
| 2007 | 0 | 0 | NaN | 0 | NaN |
| 2008 | 0 | 0 | NaN | 0 | NaN |
| 2009 | 9 | 0 | 0 | 0 | 0 |
| 2010 | 9 | 0 | 0 | 0 | 0 |
| 2011 | 9 | 0 | 0 | 0 | 0 |
| 2012 | 10 | 0 | 0 | 0 | 0 |
| 2013 | 10 | 0 | 0 | 0 | 0 |
| 2014 | 12 | 0 | 0 | 0 | 0 |
| 2015 | 12 | 0 | 0 | 0 | 0 |
| 2016 | 15 | 0 | 0 | 1 | 6.67 |

Table 17: Tanzania – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|-------|--------|--------|--------|--------------|
| DTD Level | 0.016 | 1.377 | 2.872 | 4.725 | 31.623 | 4.889 | 6.572 | 499 |
| DTD Trend | -10.192 | -0.478 | 0.016 | 0.692 | 8.888 | -0.135 | 3.094 | 499 |
| Cash/TA Level | 0.003 | 0.029 | 0.091 | 0.244 | 0.557 | 0.152 | 0.146 | 685 |
| Cash/TA Trend | -0.336 | -0.006 | 0.000 | 0.013 | 0.174 | 0.002 | 0.056 | 685 |
| NI/TA Level | -0.008 | 0.003 | 0.003 | 0.005 | 0.023 | 0.004 | 0.005 | 700 |
| NI/TA Trend | -0.018 | 0.000 | 0.000 | 0.000 | 0.019 | 0.000 | 0.003 | 700 |
| Size Level | -2.365 | -0.965 | 0.641 | 1.264 | 2.938 | 0.313 | 1.445 | 741 |
| Size Trend | -0.775 | -0.158 | -0.035 | 0.081 | 1.335 | -0.015 | 0.273 | 741 |
| M/B | 0.676 | 0.903 | 1.141 | 1.343 | 19.650 | 1.317 | 1.440 | 670 |
| Sigma | 0.016 | 0.075 | 0.118 | 0.203 | 0.474 | 0.151 | 0.112 | 306 |

Table 18: Uganda – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|-----|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 0 | 0 | NaN | 0 | NaN |
| 1998 | 0 | 0 | NaN | 0 | NaN |
| 1999 | 0 | 0 | NaN | 0 | NaN |
| 2000 | 0 | 0 | NaN | 0 | NaN |
| 2001 | 0 | 0 | NaN | 0 | NaN |
| 2002 | 0 | 0 | NaN | 0 | NaN |
| 2003 | 0 | 0 | NaN | 0 | NaN |
| 2004 | 0 | 0 | NaN | 0 | NaN |
| 2005 | 0 | 0 | NaN | 0 | NaN |
| 2006 | 0 | 0 | NaN | 0 | NaN |
| 2007 | 0 | 0 | NaN | 0 | NaN |
| 2008 | 0 | 0 | NaN | 0 | NaN |
| 2009 | 6 | 0 | 0 | 0 | 0 |
| 2010 | 7 | 0 | 0 | 0 | 0 |
| 2011 | 7 | 0 | 0 | 0 | 0 |
| 2012 | 8 | 0 | 0 | 0 | 0 |
| 2013 | 8 | 0 | 0 | 0 | 0 |
| 2014 | 8 | 0 | 0 | 0 | 0 |
| 2015 | 8 | 0 | 0 | 0 | 0 |
| 2016 | 8 | 0 | 0 | 0 | 0 |

Table 19: Uganda – Number of defaults and other exits from 1990 to 2016

| | Min | 25% | Median | 75% | Max | Mean | StdDev | #Observation |
|----------------------|---------|--------|--------|--------|--------|--------|--------|--------------|
| DTD Level | 0.394 | 4.019 | 5.106 | 18.657 | 31.623 | 9.385 | 8.612 | 108 |
| DTD Trend | -10.192 | -1.179 | 0.027 | 0.619 | 3.342 | -0.985 | 3.168 | 108 |
| Cash/TA Level | 0.006 | 0.015 | 0.028 | 0.242 | 0.321 | 0.119 | 0.120 | 113 |
| Cash/TA Trend | -0.125 | -0.010 | 0.000 | 0.003 | 0.079 | -0.005 | 0.032 | 113 |
| NI/TA Level | 0.003 | 0.003 | 0.003 | 0.005 | 0.014 | 0.005 | 0.004 | 113 |
| NI/TA Trend | -0.006 | -0.001 | 0.000 | 0.000 | 0.001 | -0.001 | 0.001 | 113 |
| Size Level | -2.608 | -1.310 | -0.509 | 0.005 | 0.355 | -0.774 | 0.966 | 141 |
| Size Trend | -0.527 | -0.105 | -0.025 | 0.032 | 0.654 | -0.014 | 0.186 | 141 |
| M/B | 0.657 | 1.093 | 1.224 | 1.909 | 5.784 | 1.836 | 1.346 | 113 |
| Sigma | 0.016 | 0.028 | 0.056 | 0.073 | 0.128 | 0.054 | 0.027 | 112 |

Table 20: Rwanda – Summary statistics of input variables (based on data from 1990 to 2016)

| | Active | Defaults | | Others | |
|------|--------|----------|-----|--------|-----|
| | | # | % | # | % |
| 1990 | 0 | 0 | NaN | 0 | NaN |
| 1991 | 0 | 0 | NaN | 0 | NaN |
| 1992 | 0 | 0 | NaN | 0 | NaN |
| 1993 | 0 | 0 | NaN | 0 | NaN |
| 1994 | 0 | 0 | NaN | 0 | NaN |
| 1995 | 0 | 0 | NaN | 0 | NaN |
| 1996 | 0 | 0 | NaN | 0 | NaN |
| 1997 | 0 | 0 | NaN | 0 | NaN |
| 1998 | 0 | 0 | NaN | 0 | NaN |
| 1999 | 0 | 0 | NaN | 0 | NaN |
| 2000 | 0 | 0 | NaN | 0 | NaN |
| 2001 | 0 | 0 | NaN | 0 | NaN |
| 2002 | 0 | 0 | NaN | 0 | NaN |
| 2003 | 0 | 0 | NaN | 0 | NaN |
| 2004 | 0 | 0 | NaN | 0 | NaN |
| 2005 | 0 | 0 | NaN | 0 | NaN |
| 2006 | 0 | 0 | NaN | 0 | NaN |
| 2007 | 0 | 0 | NaN | 0 | NaN |
| 2008 | 0 | 0 | NaN | 0 | NaN |
| 2009 | 0 | 0 | NaN | 0 | NaN |
| 2010 | 0 | 0 | NaN | 0 | NaN |
| 2011 | 0 | 0 | NaN | 0 | NaN |
| 2012 | 0 | 0 | NaN | 0 | NaN |
| 2013 | 2 | 0 | 0 | 0 | 0 |
| 2014 | 2 | 0 | 0 | 0 | 0 |
| 2015 | 3 | 0 | 0 | 0 | 0 |
| 2016 | 3 | 0 | 0 | 0 | 0 |

Table 21: Rwanda – Number of defaults and other exits from 1990 to 2016