|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Euro Exchange Rate (Source: TCMB)** | | | | | | | | | | | | | |
|  | **2001** | **2002** | **2003** | **2004** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **SeasonalF** |
| **Ocak** | 0.629 | 1.208 | 1.756 | 1.696 | 1.779 | 1.607 | 1.844 | 1.721 | 2.115 | 2.097 | 2.074 | 2.372 | 99.28 |
| **Şubat** | 0.680 | 1.172 | 1.750 | 1.677 | 1.704 | 1.579 | 1.816 | 1.750 | 2.116 | 2.064 | 2.160 | 2.315 | 98.20 |
| **Mart** | 0.876 | 1.185 | 1.788 | 1.615 | 1.722 | 1.596 | 1.857 | 1.910 | 2.219 | 2.076 | 2.203 | 2.350 | 99.92 |
| **Nisan** | 1.076 | 1.162 | 1.764 | 1.623 | 1.752 | 1.629 | 1.828 | 2.044 | 2.117 | 1.999 | 2.187 | 2.343 | 98.91 |
| **Mayıs** | 0.991 | 1.269 | 1.716 | 1.802 | 1.738 | 1.803 | 1.801 | 1.940 | 2.112 | 1.940 | 2.249 | 2.305 | 100.16 |
| **Haziran** | 1.035 | 1.449 | 1.659 | 1.808 | 1.650 | 2.018 | 1.764 | 1.908 | 2.158 | 1.918 | 2.293 | 2.275 | 99.96 |
| **Temmuz** | 1.132 | 1.638 | 1.590 | 1.777 | 1.605 | 1.967 | 1.749 | 1.910 | 2.132 | 1.956 | 2.353 | 2.222 | 100.48 |
| **Ağustos** | 1.256 | 1.598 | 1.560 | 1.788 | 1.644 | 1.873 | 1.782 | 1.761 | 2.108 | 1.942 | 2.500 | 2.211 | 100.47 |
| **Eylül** | 1.337 | 1.612 | 1.535 | 1.829 | 1.636 | 1.876 | 1.749 | 1.769 | 2.158 | 1.944 | 2.464 | 2.305 | 100.05 |
| **Ekim** | 1.447 | 1.616 | 1.664 | 1.850 | 1.624 | 1.863 | 1.700 | 1.963 | 2.167 | 1.970 | 2.499 | 2.328 | 100.76 |
| **Kasım** | 1.349 | 1.606 | 1.717 | 1.874 | 1.596 | 1.866 | 1.737 | 2.021 | 2.206 | 1.963 | 2.447 | 2.291 | 100.78 |
| **Aralık** | 1.289 | 1.615 | 1.753 | 1.866 | 1.596 | 1.884 | 1.709 | 2.087 | 2.194 | 1.999 | 2.452 |  | 101.02 |

1. **TREND COMPONENT**

|  |  |
| --- | --- |
| **Linear** |  |
|  | **Sum Squared Errors=4.001** |
|  |  |
| **Quadratic** |  |
|  | **Sum Squared Errors=3.816** |
|  |  |
| **Growth** |  |
|  | **Sum Squared Errors=4.48** |
|  |  |

1. **SEASONALITY COMPONENT**

|  |  |
| --- | --- |
|  | 1. **CYCLICAL COMPONENT**   For seasonal (monthly / quarterly) data: (Trend\*Seasonal\*Cyclical\*Irregular) |

**PREDICTED VALUES WITH LINEAR TREND FUNCTION**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | SeasonalF |
| Ocak | 1.276 | 1.368 | 1.460 | 1.552 | 1.644 | 1.736 | 1.828 | 1.920 | 2.012 | 2.104 | 2.196 | 2.288 | 99.28 |
| Şubat | 1.284 | 1.375 | 1.467 | 1.559 | 1.651 | 1.743 | 1.835 | 1.927 | 2.019 | 2.111 | 2.203 | 2.295 | 98.20 |
| Mart | 1.291 | 1.383 | 1.475 | 1.567 | 1.659 | 1.751 | 1.843 | 1.935 | 2.027 | 2.119 | 2.211 | 2.303 | 99.92 |
| Nisan | 1.299 | 1.391 | 1.483 | 1.575 | 1.667 | 1.759 | 1.851 | 1.943 | 2.035 | 2.127 | 2.219 | 2.311 | 98.91 |
| Mayıs | 1.306 | 1.398 | 1.490 | 1.582 | 1.674 | 1.766 | 1.858 | 1.950 | 2.042 | 2.134 | 2.226 | 2.318 | 100.16 |
| Haziran | 1.314 | 1.406 | 1.498 | 1.590 | 1.682 | 1.774 | 1.866 | 1.958 | 2.050 | 2.142 | 2.234 | 2.326 | 99.96 |
| Temmuz | 1.322 | 1.414 | 1.506 | 1.598 | 1.690 | 1.782 | 1.874 | 1.966 | 2.058 | 2.150 | 2.242 | 2.334 | 100.48 |
| Ağustos | 1.329 | 1.421 | 1.513 | 1.605 | 1.697 | 1.789 | 1.881 | 1.973 | 2.065 | 2.157 | 2.249 | 2.341 | 100.47 |
| Eylül | 1.337 | 1.429 | 1.521 | 1.613 | 1.705 | 1.797 | 1.889 | 1.981 | 2.073 | 2.165 | 2.257 | 2.349 | 100.05 |
| Ekim | 1.345 | 1.437 | 1.529 | 1.621 | 1.713 | 1.805 | 1.897 | 1.989 | 2.081 | 2.173 | 2.265 | 2.357 | 100.76 |
| Kasım | 1.352 | 1.444 | 1.536 | 1.628 | 1.720 | 1.812 | 1.904 | 1.996 | 2.088 | 2.180 | 2.272 | 2.364 | 100.78 |
| Aralık | 1.360 | 1.452 | 1.544 | 1.636 | 1.728 | 1.820 | 1.912 | 2.004 | 2.096 | 2.188 | 2.280 |  | 101.02 |

**Cyclical\*Irregular Factors (%)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Ocak | 49.6 | 89.0 | 121.2 | 110.1 | 109.0 | 93.2 | 101.6 | 90.3 | 105.9 | 100.4 | 95.1 | 104.5 |
| Şubat | 53.9 | 86.7 | 121.4 | 109.5 | 105.1 | 92.2 | 100.7 | 92.5 | 106.7 | 99.5 | 99.8 | 102.7 |
| Mart | 67.9 | 85.7 | 121.3 | 103.2 | 103.9 | 91.2 | 100.8 | 98.8 | 109.6 | 98.0 | 99.7 | 102.1 |
| Nisan | 83.7 | 84.5 | 120.3 | 104.2 | 106.3 | 93.6 | 99.8 | 106.4 | 105.2 | 95.0 | 99.7 | 102.5 |
| Mayıs | 75.7 | 90.6 | 114.9 | 113.7 | 103.6 | 101.9 | 96.8 | 99.3 | 103.2 | 90.7 | 100.9 | 99.3 |
| Haziran | 78.8 | 103.1 | 110.8 | 113.7 | 98.1 | 113.8 | 94.6 | 97.5 | 105.3 | 89.6 | 102.7 | 97.8 |
| Temmuz | 85.3 | 115.3 | 105.1 | 110.7 | 94.5 | 109.9 | 92.9 | 96.7 | 103.1 | 90.6 | 104.5 | 94.8 |
| Ağustos | 94.0 | 111.9 | 102.6 | 110.9 | 96.4 | 104.2 | 94.3 | 88.8 | 101.6 | 89.6 | 110.6 | 94.0 |
| Eylül | 99.9 | 112.7 | 100.9 | 113.3 | 95.9 | 104.3 | 92.5 | 89.3 | 104.0 | 89.7 | 109.1 | 98.1 |
| Ekim | 106.8 | 111.6 | 108.0 | 113.3 | 94.1 | 102.5 | 88.9 | 98.0 | 103.4 | 90.0 | 109.5 | 98.1 |
| Kasım | 99.0 | 110.3 | 110.9 | 114.2 | 92.0 | 102.2 | 90.5 | 100.5 | 104.8 | 89.3 | 106.8 | 96.1 |
| Aralık | 93.8 | 110.1 | 112.4 | 112.9 | 91.4 | 102.5 | 88.5 | 103.1 | 103.6 | 90.5 | 106.5 |  |