## Matriz de Correlação Ligante

				do corrolação	<b>L</b> igarite				
1	.05500026570.0820.320.420.078.0490.29	0.990.940.930.820.930.840.5	57 <mark>0.830.92</mark> 0.230.03\$005\$5.3\$0.03 +0.2 +0.3\$0.09\$	.0260.3-0.0240.380.0640.22-0.4+0.40400	050.3 -0.560.410.46-0.5-0.340.35 (	0.3 -0.1-0.250.410.130.0320.	3-0.340.440.24-0.2	0.3-0.550.43-0.4 0.1	3-0.19-0.1 0.30.0170.3 -0.3
055	1 0.99 <mark>0.65</mark> 0.970.84 0.7 0.910.99 <mark>0.73</mark>	<b>0</b> .03 <b>2</b> 0.37	<mark>62</mark>	0.99 <mark>0.71</mark> 0.98 <mark>0.82</mark> 0.97 0.9 <mark>0.77</mark> 0.930.9	99 <mark>0.69<mark>0.61</mark>0.79<mark>0.71</mark>0.66<mark>0.81</mark>0.86<mark>0</mark></mark>	.64 0.96 0.87 0.76 0.92 0.98 0.6	<mark>80.790.72</mark> 0.860.93	0.63	4 0.84 0.93 <mark>0.61</mark> 0.99 <mark>0.71-</mark> 0.61
000	0.99 1 <mark>0.7</mark> 0.99 <mark>0.88 0.7 0.92 0.99 0.69</mark>	<mark>0.02</mark> •0.32 0.33 0.45 0.33 0.47 0.5	<mark>58                                    </mark>	0.99 <mark>0.67</mark> 0.99 <mark>0.86</mark> 0.990.93 <mark>0.78</mark> 0.950.9	9 <mark>0.65</mark> 0.660.83 <mark>0.76</mark> 0.690.850.89 <mark>0</mark>	.590.980.91 <mark>0.78</mark> 0.940.99 <mark>0.6</mark>	<mark>3</mark> 0.83 <mark>0.75</mark> 0.890.95		0.860.95 <mark>0.56</mark> 0.99 <mark>0.67</mark> -0.56
.57	0.65 0.7 1 0.77 0.93 0.83 0.7 0.62 <mark>0.21</mark>	0.580.31-0.3 <mark>0.03</mark> 0.290.07 <b>6</b> .2	25 <mark>0.09 0.28</mark> 0.34 0.67   0.7   0.95 0.73 0.87 0.89 0.75 (	0.66 <mark>0.19</mark> 0.730.96 <mark>0.76</mark> 0.88 0.9 0.77 <mark>0.6</mark>	<mark>90.17</mark> 0.990.970.980.920.910.93 <mark>0</mark>	.120.79 0.9 0.9 0.790.72 <mark>0.</mark>	60.930.93 <mark>0.87</mark> 0.86	0.12 <mark>0.89</mark> 0.910.89 <mark>0.1</mark>	90.780.75 <mark>0.11</mark> 0.65 <mark>0.19</mark> -0.11
08	0.970.99 <mark>0.77</mark> 1 0.93 <mark>0.71</mark> 0.9 0.96 <mark>0.59</mark>	-0.1 0.25 0.26 0.4 0.26 0.42 0.5	53 <mark>0.43<mark>0.29</mark> 0.7 0.980.990.920.990.97 0.8 0.950</mark>	0.98 <mark>0.57</mark> 0.99 <mark>0.91</mark> 0.990.96 <mark>0.8</mark> 0.950.9	080.550.740.890.830.730.880.930	.49 <mark>0.990.95</mark>	30.89 <mark>0.78</mark> 0.910.97	0.48 0.66 0.8 0.81 0.4	4 <mark>0.87</mark> 0.94 <mark>0.45</mark> 0.97 <mark>0.57</mark> -0.45
.32	0.84 <mark>0.88</mark> 0.930.93	+ <mark>0.34</mark> 0.04 <b>0</b> .003 <mark>2.22</mark> .002 <mark>5</mark> .210.47	12 <mark>0.190.017</mark> 0.54 <mark>0.86</mark> 0.880.980.910.98 <mark>0.87</mark> 0.890	0.85 <mark>0.39</mark> 0.9 0.980.920.98 <mark>0.88 0.9 0.8</mark>	37 <mark>0.37</mark> 0.910.980.96 <mark>0.86</mark> 0.940.97 <mark>0</mark>	.320.940.990.880.910.89 <mark>0.3</mark>	<b>6</b> 0.99	0.31 0.8 0.89 0.88 0.3	30.870.88 <mark>0.29</mark> 0.84 <mark>0.39</mark> -0.29
.42	0.7 0.7 0.83 0.71 0.79 1 0.77 0.69 0.59	-0.43-0.2-0.19 <mark>0.03</mark> -0.2 <mark>0.02</mark> 6.4	14 <mark>0.01-0.17</mark>	0.68 <mark>0.58</mark> 0.690.84 0.7 0.770.980.760.6	680.570.810.830.810.960.850.860	.54 0.7 0.76 0.98 0.77 0.7 0.5	70.770.95 0.8 0.78	0.54 <mark>0.960.94</mark> 0.98 <mark>0.1</mark>	
			54 <mark>0.46<mark>0.24</mark>0.82<mark>0.89</mark>0.90.85<mark>0.89</mark>0.87<mark>0.82</mark>0.98</mark>						90.960.98 <mark>0.62</mark> 0.91 <mark>0.73</mark> -0.62
			<mark>58</mark>						0.850.94 <mark>0.65</mark> 0.99 <mark>0.75</mark> -0.65
			32 0.56 <mark>0.46   0.9   0.67 0.65 0.44 0.62 0.51 0.56 0.67 0</mark>						9 <mark>0.59</mark> 0.67 <mark>0.96</mark> 0.69 1 -0.96
98			54 <mark>0.81 0.9 <mark>0.22</mark>.009<mark>2.02</mark> 0.380.05 0.23 0.41 0.12</mark>						
94			720.94 1 0.42 0.36 0.33 0.06 20.3 0.11 0.14 0.2 0						30.0760.190.390.330.43-0.39
93			720.94 1 0.43 0.37 0.34 0.04 0.31 0.13 0.13 0.21 0			.410.240.0710.150.18 0.3 0.4	20.0390.20.0520.13	0.41-0.340.17-0.140.2	40.090.210.390.350.430.39
82	J.490.450.0330.4 0.220.030.340.450.45	0.790.940.94 1 0.940.990.8	370.930.93	0.460.450.450.160.420.310.0910.350.4	150.440.0340.140.0840.0140.170.190	.42 0.4 0.280.0830.340.430.2	3 0.20.0590.260.32	0.42 -0.10.06	20.270.350.410.440.450.41
93			720.94 1 0.410.360.340.040.310.13-0.130.210						30.09
84			32 0.94 0.96 0.47 0.5 0.48 0.16 0.46 0.32 0.05 0.37 0 0.8 0.71 0.63 0.6 0.58 0.42 0.56 0.5 0.46 0.54 0						
83			8 1 0.950.590.510.490.150.46 0.30.0720.440						
03 92	0.55 0.5-0.09 0.45 0.19 0.0 10.46 0.55 0.50	0.0 1 1 0.03 1 0.060.7	710.95 1 0.46 0.4 0.370.02@.340.15-0.110.25(	300 460 340 0480 310 130 130 230 3	70.450.200.0850.160.250.038.0038	430 270 0020 430 240 340 4	50.130.0140.290.32	0.5 0.130.00	50.120.240.420.390.46-0.42
	7.410.3740.200.230.0170.170.240.410.40	0.9 1 1 0.93 1 0.900.7	330.59 <mark>0.46 1 0.720.710.52</mark> 0.680.590.580.720	740.88 0.7 0.5 0.670.570.570.710.7	30.860.290.450.380.460.560.560	780 630 530 560 69 0 7 0 8	40.440.490.590.61	0.43-0.33-0.13-0.12-0.2	0.630.720.750.740.88-0.75
134	0.790.770.540.70.540.00.020.020.02	0.000 360 370 480 36 0 5 0 6	6 0.51 0.4 0.72 1 1 0.860.990.940.780.94	1 0 650 990 840 990 920 770 930 9	90.640.640.810.740.670.820.880	590 97 0 9 0 770 930 990 6	30.820.740.870.94	0.700.420.340.300.0	
			58 0.49 0.37 0.71 1 1 0.88 1 0.95 0.79 0.95						
			20.150.02						
			56 0.46 0.34 0.68 0.99 1 0.9 1 0.96 0.8 0.95 0						
			5 0.3 0.15 0.59 0.94 0.95 0.97 0.96 1 0.87 0.94 0						
39	0.780.790.89 0.8 0.870.980.820.760.56	0.410.140.130.0970.130.050.4	0.0720.110.580.780.790.93 0.8 0.87 1 0.840	0.770.550.790.92 0.8 0.86 1 0.840.7	80.540.870.910.880.980.910.930	.510.810.86 1 0.850.790.5	30.860.980.880.87	0.510.960.98 1 0.2	40.830.83 0.5 0.760.55 -0.5
)9	0.940.950.750.950.890.760.980.940.67	0.12 0.2 0.21 0.37 0.21 0.37 0.5	54 <mark>0.44</mark> 0.25 <mark>0.72</mark> 0.940.950.910.950.940.84 1 0	0.950.660.96 0.9 0.950.940.84 1 0.9	060.640.740.870.820.770.940.93	0.6 0.950.920.84 1 0.960.6	30.870.820.970.96	0.59 0.7 0.87 0.85 0.4	20.97 1 0.570.950.66-0.57
	0.990.99 <mark>0.66</mark> 0.980.85 <mark>0.68</mark> 0.9 0.99 <mark>0.69</mark>		57 <sub>0.51</sub> 0.39 <sub>0.74</sub> 1 1 0.86 <sub>0.99</sub> 0.93 <sub>0.77</sub> 0.95						
3 (	0.710.67 <mark>0.19</mark> 0.57 <mark>0.39</mark> 0.580.730.75 1		6 <mark>0.55 0.46 0.88 0.65 0.64 0.42 0.6   0.5   0.55 0.66 0</mark>						
)2(	0.980.99 <mark>0.73</mark> 0.99	<mark>-0.05</mark>	55 <mark>0.47</mark> 0.34 0.7 0.99 1 0.9 1 0.960.790.960	0.99 <mark>0.62</mark> 1 0.88 1 0.95 <mark>0.79</mark> 0.95 1	0.6 0.7 0.86 0.79 0.71 0.86 0.91 0	.55 0.99 0.94 0.78 0.95 1 0.5	<mark>9</mark> 0.87 <mark>0.76</mark> 0.910.97	0.54 0.63 0.78 0.8 0.4	10.870.95 <mark>0.52</mark> 0.99 <mark>0.62</mark> -0.52
38	0.82 <mark>0.86</mark> 0.960.910.98 <mark>0.84</mark> 0.84 <mark>0.8</mark> 0.41	-0.4 <mark>0.08</mark> 5.07 <mark>0.16</mark> 0.0650.14 0.4	4 <mark>0.13</mark> 0.04 <mark>80.5 </mark> 0.84 <mark>0.87 1 0.89</mark> 0.970.92 0.9 0	0.84 <mark>0.39</mark> 0.88 1 0.910.970.930.910.8	36 <mark>0.38</mark> 0.95 1 0.98 <mark>0.92</mark> 0.970.99 <mark>0</mark>	<mark>.33</mark> 0.930.980.930.920.88 <mark>0.3</mark>	70.98 <mark>0.94</mark> 0.960.97	0.33 <mark>0.87</mark> 0.940.93 <mark>0.2</mark>	
			54 <mark>0.44<mark>0.31</mark>0.67</mark> 0.990.990.92 1 0.97 0.8 0.950						
			17 <mark>0.28<mark>0.13</mark>0.57</mark> 0.92 <mark>0.94</mark> 0.980.95 1 0.860.940						
			150.0650.12 <mark>0.57</mark> 0.770.780.94 0.8 0.87 1 0.840						40.830.83 <mark>0.49</mark> 0.75 <mark>0.55</mark> -0.49
			52 0.43 0.23 0.71 0.93 0.94 0.91 0.95 0.95 0.84 1 0						
	0.990.99 $0.69$ $0.980.87$ $0.68$ $0.910.99$ $0.67$								
			6 0.54 0.45 0.86 0.64 0.62 0.41 0.58 0.48 0.54 0.64 0						
			23 -0.1 0.290.290.640.670.94 0.7 0.850.870.74 0.600.0940.0860.450.810.840.990.860.960.910.870	0.81 0.33 0.86 1 0.88 0.97 0.91 0.88 0.8	230 320 07 1 0 000 010 060 000	270.010.070.02.0.0.0.050.	10.090.040.050.05	0.110.090.910.000.1	80.870.870.25 0.8 0.34-0.25
		3-0.47-0.190.170.0850.170.050.32	300 0250 160 380 740 770 97 0 8 0 920 880 820	0.73	250.320.97 1 0.990.910.900.990	210.850.95.0.9.0.850.780.3	40.980.940.930.93	0.270.860.930.910.2	30 850 810 100 720 26 0 10
			340.0640.250.460.670.690.920.710.830.980.770	0.67 0.44 0.71 0.92 0.72 0.83 0.98 0.78 0.6	880 430 930 910 91 1 0 910 92 (	4 0 740 840 990 790 710 4	20.870.990.860.83	0.2 0.000.320.030.2	70.790.77 0.4 0.66 0.44 -0.4
		-0.360.06 <b>9</b> .05 <b>4</b> 0.170.0510.140.4	11 0.19 0.02 0.56 0.82 0.84 0.97 0.86 0.94 0.91 0.94 0						
		التحاقب المتحلب التحاقب المتحلب المتحليل بالمتحل	2 <mark>0.18).003</mark> 0.560.88 0.9 1 0.910.970.930.930						
			56 0.51 0.43 <mark>0.78 0.59 0.57 0.36 0.53 0.43 0.51 0.6 0</mark>						
			51 0.4 0.27 0.63 0.97 0.98 0.93 0.99 0.98 0.81 0.95 0						
25		<b>-0.28</b> .05 <b>6</b> .07 0.280.0770.280.45	<mark>45 0.250.092</mark> 0.53 0.9 0.92 0.98 0.94 0.99 0.86 0.92 0	0.89 <mark>0.42</mark> 0.94 <mark>0.980.95 1 0.87</mark> 0.930.9	01 <mark>0.41</mark> 0.890.970.95 <mark>0.84</mark> 0.940.98 <mark>0</mark>	.36 <mark>0.97 1 0.87</mark> 0.940.93 <mark>0.3</mark>	9 <mark>0.99<mark>0.88</mark>0.960.99</mark>	0.35 <mark>0.77</mark> 0.880.86 <mark>0.3</mark>	3 <mark>0.89</mark> 0.91 <mark>0.33</mark> 0.88 <mark>0.43</mark> -0.33
41	0.76 <mark>0.78                                    </mark>	<u>-0.430.160.150.0850.150.0360.4</u> 4	4 <mark>0.0560.13</mark> 0.56 <mark>0.77</mark> 0.78 <mark>0.94</mark> 0.79 <mark>0.87</mark> 1 0.840	0.76 <mark>0.53</mark> 0.78 <mark>0.93 0.8 0.87 1 0.84</mark> 0.7	<mark>70.53</mark> 0.890.92 0.9 0.990.930.94 <mark>0</mark>	.49 0.8 0.87 1 0.85 0.78 <mark>0.5</mark>	20.870.990.890.87	0.49 0.97 0.98 1 0.2	30.830.83 <mark>0.48</mark> 0.75 <mark>0.54</mark> -0.48
	0.920.94 <mark>0.79</mark> 0.950.91 <mark>0.77</mark> 0.970.93 <mark>0.64</mark>		52 <mark>0.41</mark> 0.21 <mark>0.69</mark> 0.930.940.920.940.950.85 1 0						
			54 0.47 0.34 0.7 0.99 1 0.89 1 0.95 0.79 0.96						
			59 0.53 <mark>0.45 0.84 0.63 0.61   0.4   0.57 0.47 0.53 0.63 0</mark>						
			39 <mark>0.15</mark> 0.02 <mark>0.44</mark> 0.820.840.980.870.970.860.870						
			40.0120.180.490.740.750.950.770.880.980.820						10.830.810.420.710.47-0.42
			60.29.0780.590.870.890.960.910.960.880.970						
			19 0.32 0.16 0.61 0.94 0.96 0.97 0.97 1 0.87 0.96 0.56 0.56 0.57 0.38 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.5						
			56 0.5 0.43 0.78 0.59 0.57 0.36 0.53 0.43 0.51 0.59 0.9 0.15 0.33 0.42 0.6 0.62 0.87 0.64 0.76 0.96 0.7						
	0.6 0.62 0.89 0.66 0.8 0.96 0.86 0.56 0.4 0.75 0.77 0.91 0.8 0.89 0.94 0.86 0.74 0.52			0.6 0.39 0.63 0.87 0.65 0.76 0.97 0.7 0.6					
			140.0710.120.580.780.790.94 0.8 0.87 1 0.850						60.840.84 0.5 0.770.55 -0.5
			23 0.34 0.25 0.5 0.41 0.41 0.29 0.4 0.34 0.24 0.42 0						
			15 0.35 0.12 0.63 0.84 0.86 0.89 0.87 0.9 0.83 0.97 0.						
			20.44 0.24 0.72 0.94 0.94 0.9 0.95 0.93 0.83 1						
			55 0.49 0.42 0.75 0.56 0.54 0.34 0.51 0.41 0.5 0.57 0						
			540.510.390.740.990.990.840.980.910.760.95						
			610.560.460.880.660.640.42 0.6 0.5 0.550.660						
			550.490.420.750.560.540.340.510.41-0.5-0.57						