## APENDICE 7.2.

**Pruebas de independencia**

##### Estación 27001 “MARTINEZ DE LA TORRE”

Tabla 7.3.1.A. 1. Datos correlograma, estación 27001.

|  |  |  |  |
| --- | --- | --- | --- |
| K | rk | LS | LI |
| 1 | 0.115 | 0.238 | -0.272 |
| 2 | 0.065 | 0.240 | -0.275 |
| 3 | -0.172 | 0.242 | -0.277 |
| 4 | -0.022 | 0.244 | -0.280 |
| 5 | -0.188 | 0.246 | -0.283 |
| 6 | 0.061 | 0.248 | -0.286 |
| 7 | 0.059 | 0.250 | -0.288 |
| 8 | 0.244 | 0.252 | -0.291 |
| 9 | -0.014 | 0.254 | -0.294 |
| 10 | 0.085 | 0.257 | -0.298 |
| 11 | -0.052 | 0.259 | -0.301 |
| 12 | -0.010 | 0.262 | -0.304 |
| 13 | -0.014 | 0.264 | -0.308 |
| 14 | 0.127 | 0.267 | -0.311 |
| 15 | -0.072 | 0.269 | -0.315 |
| 16 | -0.058 | 0.272 | -0.319 |
| 17 | 0.005 | 0.275 | -0.323 |
| 18 | -0.066 | 0.278 | -0.327 |
| 19 | -0.015 | 0.281 | -0.331 |
| 20 | 0.023 | 0.284 | -0.335 |
| N=59 |
| K=20 |

Figura 7.3.1.A. 1. Correlograma, estación 27001.

##### Estación 27005 “LIBERTAD”

Tabla 7.3.1.A. 2. Datos correlograma, estación 27005.

|  |  |  |  |
| --- | --- | --- | --- |
| K | rk | LS | LI |
| 1 | 0.063 | 0.269 | -0.315 |
| 2 | -0.168 | 0.272 | -0.319 |
| 3 | 0.161 | 0.275 | -0.323 |
| 4 | -0.120 | 0.278 | -0.327 |
| 5 | -0.042 | 0.281 | -0.331 |
| 6 | 0.104 | 0.284 | -0.335 |
| 7 | -0.002 | 0.287 | -0.340 |
| 8 | 0.160 | 0.291 | -0.345 |
| 9 | 0.075 | 0.294 | -0.350 |
| 10 | -0.204 | 0.298 | -0.355 |
| 11 | 0.062 | 0.302 | -0.361 |
| 12 | -0.046 | 0.306 | -0.366 |
| 13 | -0.070 | 0.310 | -0.372 |
| 14 | 0.171 | 0.314 | -0.379 |
| 15 | 0.070 | 0.318 | -0.385 |
| N=45 |
| K=15 |

Figura 7.3.1.A. 2. Correlograma, estación 27005.

##### Estación 27006 “EL RAUDAL”

Tabla 7.3.1.A. 3. Datos correlograma, estación 27006.

|  |  |  |  |
| --- | --- | --- | --- |
| K | rk | LS | LI |
| 1 | 0.486 | 0.275 | -0.323 |
| 2 | 0.383 | 0.278 | -0.327 |
| 3 | 0.388 | 0.281 | -0.331 |
| 4 | 0.182 | 0.284 | -0.335 |
| 5 | 0.085 | 0.287 | -0.340 |
| 6 | -0.026 | 0.291 | -0.345 |
| 7 | -0.089 | 0.294 | -0.350 |
| 8 | -0.059 | 0.298 | -0.355 |
| 9 | -0.060 | 0.302 | -0.361 |
| 10 | -0.047 | 0.306 | -0.366 |
| 11 | 0.090 | 0.310 | -0.372 |
| 12 | -0.005 | 0.314 | -0.379 |
| 13 | 0.030 | 0.318 | -0.385 |
| 14 | -0.009 | 0.323 | -0.392 |
| N=43 |
| K=14 |

Figura 7.3.1.A. 3. Correlograma, estación 27006.

##### Estación 28003 “CARDEL”

Tabla 7.3.1.A. 4. Datos correlograma, estación 28003.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.180 | 0.234 | -0.268 |
| 2 | 0.028 | 0.236 | -0.270 |
| 3 | 0.127 | 0.238 | -0.272 |
| 4 | 0.014 | 0.240 | -0.275 |
| 5 | -0.007 | 0.242 | -0.277 |
| 6 | -0.097 | 0.244 | -0.280 |
| 7 | -0.036 | 0.246 | -0.283 |
| 8 | -0.202 | 0.248 | -0.286 |
| 9 | -0.301 | 0.250 | -0.288 |
| 10 | -0.160 | 0.252 | -0.291 |
| 11 | -0.190 | 0.254 | -0.294 |
| 12 | -0.093 | 0.257 | -0.298 |
| 13 | -0.025 | 0.259 | -0.301 |
| 14 | -0.075 | 0.262 | -0.304 |
| 15 | 0.281 | 0.264 | -0.308 |
| 16 | 0.067 | 0.267 | -0.311 |
| 17 | 0.014 | 0.269 | -0.315 |
| 18 | 0.047 | 0.272 | -0.319 |
| 19 | 0.203 | 0.275 | -0.323 |
| 20 | 0.205 | 0.278 | -0.327 |
| N=61 |
| K=20 |

Figura 7.3.1.A. 4. Correlograma, estación 28003.

##### Estación 28030 “ACTOPAN II”

Tabla 7.3.1.A. 5. Datos correlograma, estación 28030.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.461 | 0.234 | -0.268 |
| 2 | 0.243 | 0.236 | -0.270 |
| 3 | 0.252 | 0.238 | -0.272 |
| 4 | 0.031 | 0.240 | -0.275 |
| 5 | -0.079 | 0.242 | -0.277 |
| 6 | -0.062 | 0.244 | -0.280 |
| 7 | -0.208 | 0.246 | -0.283 |
| 8 | -0.172 | 0.248 | -0.286 |
| 9 | -0.190 | 0.250 | -0.288 |
| 10 | -0.217 | 0.252 | -0.291 |
| 11 | -0.112 | 0.254 | -0.294 |
| 12 | -0.128 | 0.257 | -0.298 |
| 13 | -0.165 | 0.259 | -0.301 |
| 14 | 0.033 | 0.262 | -0.304 |
| 15 | -0.039 | 0.264 | -0.308 |
| 16 | -0.066 | 0.267 | -0.311 |
| 17 | 0.120 | 0.269 | -0.315 |
| 18 | 0.134 | 0.272 | -0.319 |
| 19 | 0.184 | 0.275 | -0.323 |
| 20 | 0.224 | 0.278 | -0.327 |
| N=61 |
| K=20 |

Figura 7.3.1.A. 5. Correlograma, estación 28030.

##### Estación 28039 “PASO DEL TORO”

Tabla 7.3.1.A. 6. Datos correlograma, estación 28039.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.438 | 0.252 | -0.291 |
| 2 | 0.404 | 0.254 | -0.294 |
| 3 | 0.316 | 0.257 | -0.298 |
| 4 | 0.224 | 0.259 | -0.301 |
| 5 | 0.157 | 0.262 | -0.304 |
| 6 | 0.104 | 0.264 | -0.308 |
| 7 | 0.172 | 0.267 | -0.311 |
| 8 | 0.059 | 0.269 | -0.315 |
| 9 | 0.142 | 0.272 | -0.319 |
| 10 | 0.123 | 0.275 | -0.323 |
| 11 | 0.103 | 0.278 | -0.327 |
| 12 | -0.002 | 0.281 | -0.331 |
| 13 | -0.045 | 0.284 | -0.335 |
| 14 | -0.132 | 0.287 | -0.340 |
| 15 | -0.120 | 0.291 | -0.345 |
| 16 | -0.133 | 0.294 | -0.350 |
| 17 | -0.112 | 0.298 | -0.355 |
| N=52 |
| K=17 |

Figura 7.3.1.A. 6. Correlograma, estación 28039.

##### Estación 28040 “EL TEJAR”

Tabla 7.3.1.A. 7. Datos correlograma, estación 28040.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.403 | 0.234 | -0.268 |
| 2 | 0.353 | 0.236 | -0.270 |
| 3 | 0.270 | 0.238 | -0.272 |
| 4 | 0.358 | 0.240 | -0.275 |
| 5 | 0.200 | 0.242 | -0.277 |
| 6 | 0.349 | 0.244 | -0.280 |
| 7 | 0.377 | 0.246 | -0.283 |
| 8 | 0.217 | 0.248 | -0.286 |
| 9 | 0.151 | 0.250 | -0.288 |
| 10 | 0.129 | 0.252 | -0.291 |
| 11 | 0.145 | 0.254 | -0.294 |
| 12 | 0.166 | 0.257 | -0.298 |
| 13 | 0.099 | 0.259 | -0.301 |
| 14 | -0.002 | 0.262 | -0.304 |
| 15 | 0.151 | 0.264 | -0.308 |
| 16 | 0.072 | 0.267 | -0.311 |
| 17 | -0.033 | 0.269 | -0.315 |
| 18 | 0.081 | 0.272 | -0.319 |
| 19 | 0.197 | 0.275 | -0.323 |
| 20 | -0.015 | 0.278 | -0.327 |
| N=61 |
| K=20 |

Figura 7.3.1.A. 7. Correlograma, estación 28040.

##### Estación 28069 “CAPULINES”

Tabla 7.3.1.A. 8. Datos correlograma, estación 28069.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.391 | 0.248 | -0.286 |
| 2 | 0.307 | 0.250 | -0.288 |
| 3 | 0.123 | 0.252 | -0.291 |
| 4 | 0.018 | 0.254 | -0.294 |
| 5 | 0.066 | 0.257 | -0.298 |
| 6 | -0.056 | 0.259 | -0.301 |
| 7 | -0.090 | 0.262 | -0.304 |
| 8 | -0.139 | 0.264 | -0.308 |
| 9 | -0.225 | 0.267 | -0.311 |
| 10 | -0.192 | 0.269 | -0.315 |
| 11 | -0.261 | 0.272 | -0.319 |
| 12 | -0.077 | 0.275 | -0.323 |
| 13 | 0.161 | 0.278 | -0.327 |
| 14 | 0.162 | 0.281 | -0.331 |
| 15 | 0.266 | 0.284 | -0.335 |
| 16 | 0.073 | 0.287 | -0.340 |
| 17 | 0.097 | 0.291 | -0.345 |
| 18 | 0.009 | 0.294 | -0.350 |
| N=54 |
| K=18 |

Figura 7.3.1.A. 8. Correlograma, estación 28069.

##### Estación 28108 “EL NARANJILLO”

Tabla 7.3.1.A. 9. Datos correlograma, estación 28108.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | -0.074 | 0.254 | -0.294 |
| 2 | 0.041 | 0.257 | -0.298 |
| 3 | -0.087 | 0.259 | -0.301 |
| 4 | -0.057 | 0.262 | -0.304 |
| 5 | 0.022 | 0.264 | -0.308 |
| 6 | 0.077 | 0.267 | -0.311 |
| 7 | 0.080 | 0.269 | -0.315 |
| 8 | -0.144 | 0.272 | -0.319 |
| 9 | 0.007 | 0.275 | -0.323 |
| 10 | 0.111 | 0.278 | -0.327 |
| 11 | -0.013 | 0.281 | -0.331 |
| 12 | 0.110 | 0.284 | -0.335 |
| 13 | 0.040 | 0.287 | -0.340 |
| 14 | -0.046 | 0.291 | -0.345 |
| 15 | -0.060 | 0.294 | -0.350 |
| 16 | -0.073 | 0.298 | -0.355 |
| 17 | 0.090 | 0.302 | -0.361 |
| N=51 |
| K=17 |

Figura 7.3.1.A. 9. Correlograma, estación 28108.

##### Estación 28111 “IDOLOS”

Tabla 7.3.1.A. 10. Datos correlograma, estación 28111.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.219 | 0.259 | -0.301 |
| 2 | 0.018 | 0.262 | -0.304 |
| 3 | 0.095 | 0.264 | -0.308 |
| 4 | 0.198 | 0.267 | -0.311 |
| 5 | 0.246 | 0.269 | -0.315 |
| 6 | 0.197 | 0.272 | -0.319 |
| 7 | 0.147 | 0.275 | -0.323 |
| 8 | 0.079 | 0.278 | -0.327 |
| 9 | 0.164 | 0.281 | -0.331 |
| 10 | 0.058 | 0.284 | -0.335 |
| 11 | 0.097 | 0.287 | -0.340 |
| 12 | 0.081 | 0.291 | -0.345 |
| 13 | 0.186 | 0.294 | -0.350 |
| 14 | -0.006 | 0.298 | -0.355 |
| 15 | -0.022 | 0.302 | -0.361 |
| 16 | -0.119 | 0.306 | -0.366 |
| N=49 |
| K=16 |

Figura 7.3.1.A. 10. Correlograma, estación 28111.

##### Estación 28125 “CARRIZAL”

Tabla 7.3.1.A. 11. Datos correlograma, estación 28125.

| K | rk | LS | LI |
| --- | --- | --- | --- |
| 1 | 0.319 | 0.267 | -0.311 |
| 2 | 0.175 | 0.269 | -0.315 |
| 3 | 0.203 | 0.272 | -0.319 |
| 4 | 0.098 | 0.275 | -0.323 |
| 5 | 0.055 | 0.278 | -0.327 |
| 6 | 0.097 | 0.281 | -0.331 |
| 7 | 0.099 | 0.284 | -0.335 |
| 8 | -0.022 | 0.287 | -0.340 |
| 9 | -0.047 | 0.291 | -0.345 |
| 10 | -0.043 | 0.294 | -0.350 |
| 11 | -0.043 | 0.298 | -0.355 |
| 12 | -0.015 | 0.302 | -0.361 |
| 13 | -0.230 | 0.306 | -0.366 |
| 14 | -0.259 | 0.310 | -0.372 |
| 15 | -0.152 | 0.314 | -0.379 |
| N=46 |
| K=15 |

Figura 7.3.1.A. 11. Correlograma, estación 28125.

##### Estación 28134 “JALCOMULCO”

Tabla 7.3.1.A. 12. Datos correlograma, estación 28134.

|  |  |  |  |
| --- | --- | --- | --- |
| K | rk | LS | LI |
| 1 | 0.594 | 0.267 | -0.311 |
| 2 | 0.455 | 0.269 | -0.315 |
| 3 | 0.419 | 0.272 | -0.319 |
| 4 | 0.364 | 0.275 | -0.323 |
| 5 | 0.323 | 0.278 | -0.327 |
| 6 | 0.322 | 0.281 | -0.331 |
| 7 | 0.349 | 0.284 | -0.335 |
| 8 | 0.232 | 0.287 | -0.340 |
| 9 | 0.175 | 0.291 | -0.345 |
| 10 | 0.169 | 0.294 | -0.350 |
| 11 | 0.134 | 0.298 | -0.355 |
| 12 | 0.143 | 0.302 | -0.361 |
| 13 | 0.013 | 0.306 | -0.366 |
| 14 | -0.092 | 0.310 | -0.372 |
| 15 | -0.029 | 0.314 | -0.379 |
| N=46 |
| K=15 |

Figura 7.3.1.A. 12. Correlograma, estación 28134.