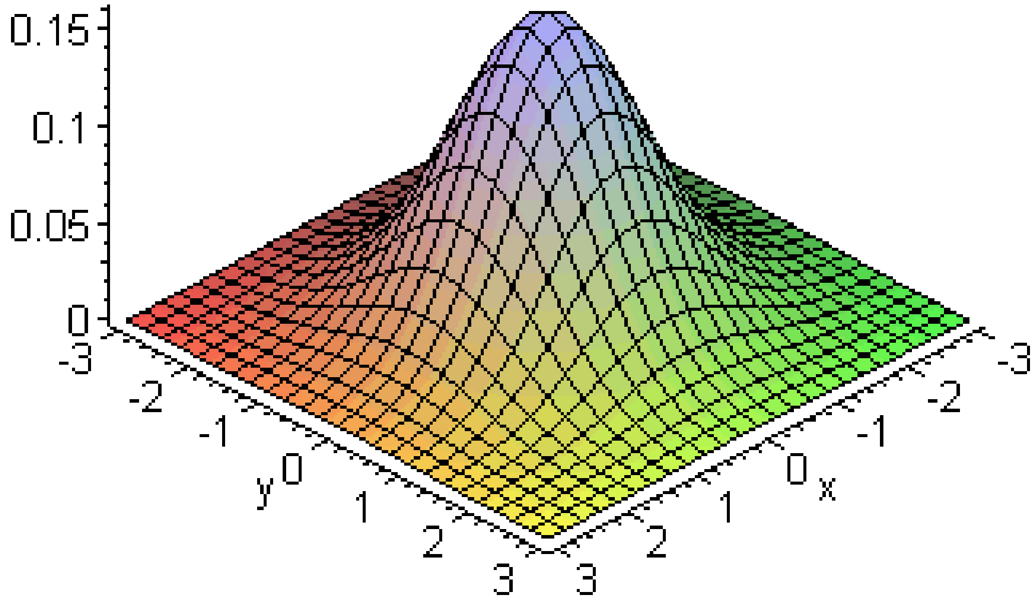
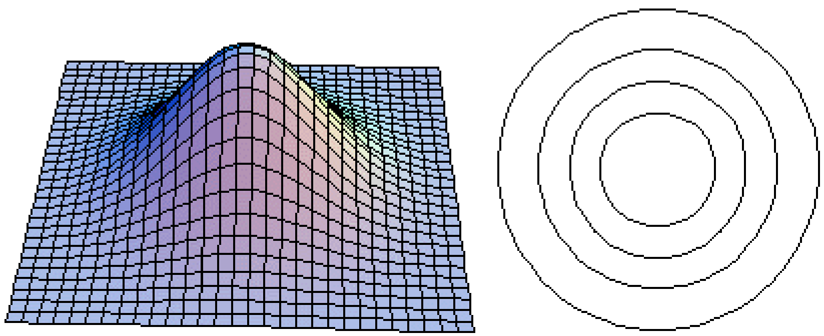
Distribución Normal Bivariante

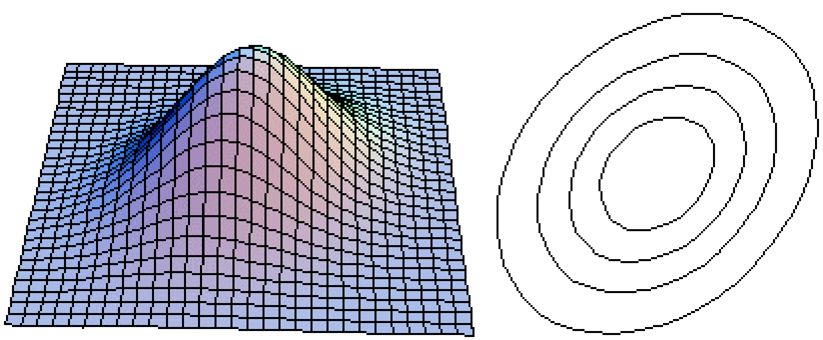


- Todas las dist. marginales y condicionadas son Normales.
- Si $\rho = 0$ y *X* e *Y* siguen una dist. Normal bivariante entonces X e Y son independientes.
- Cualquier combinación lineal de v.a.'s Normales es Normal.

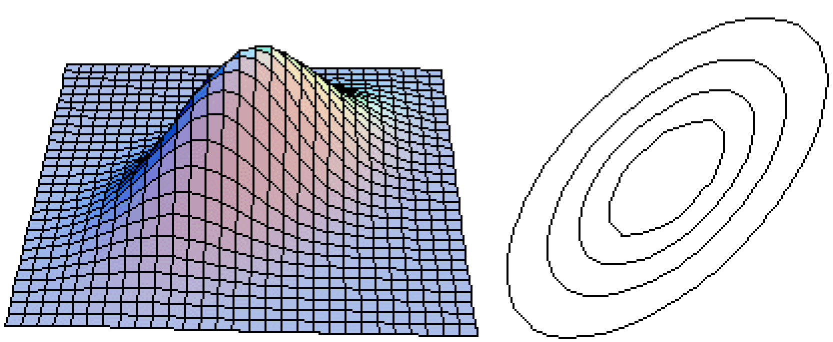
Example 1: $\rho = 0.00$



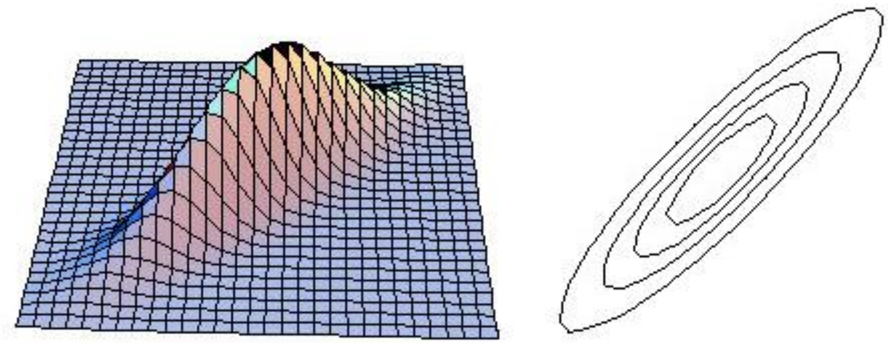
Example 2: $\rho = 0.3$



Example 3: $\rho = 0.6$



Example 4: $\rho = 0.9$



Example 4: $\rho = 0.9$