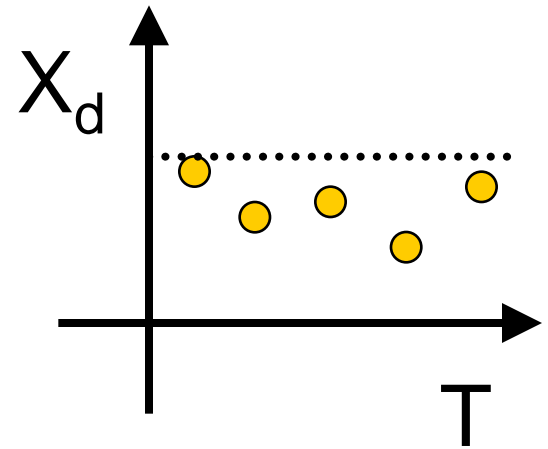
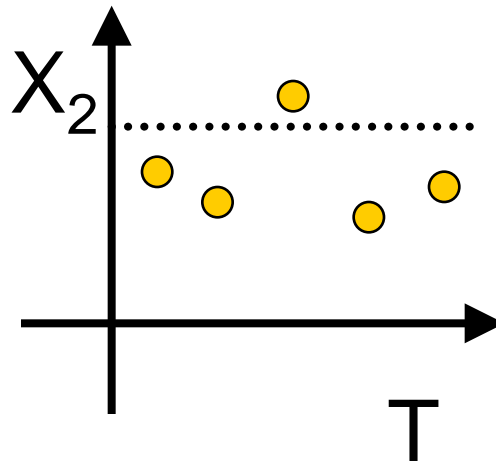
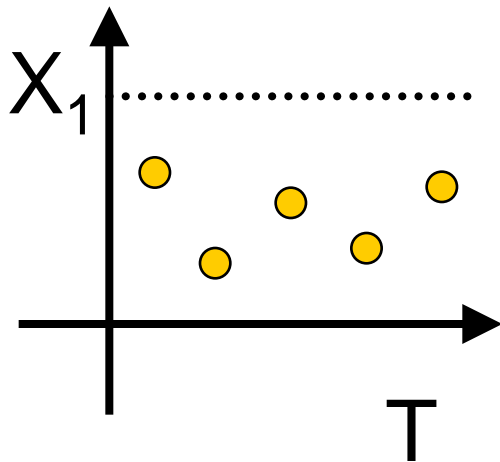


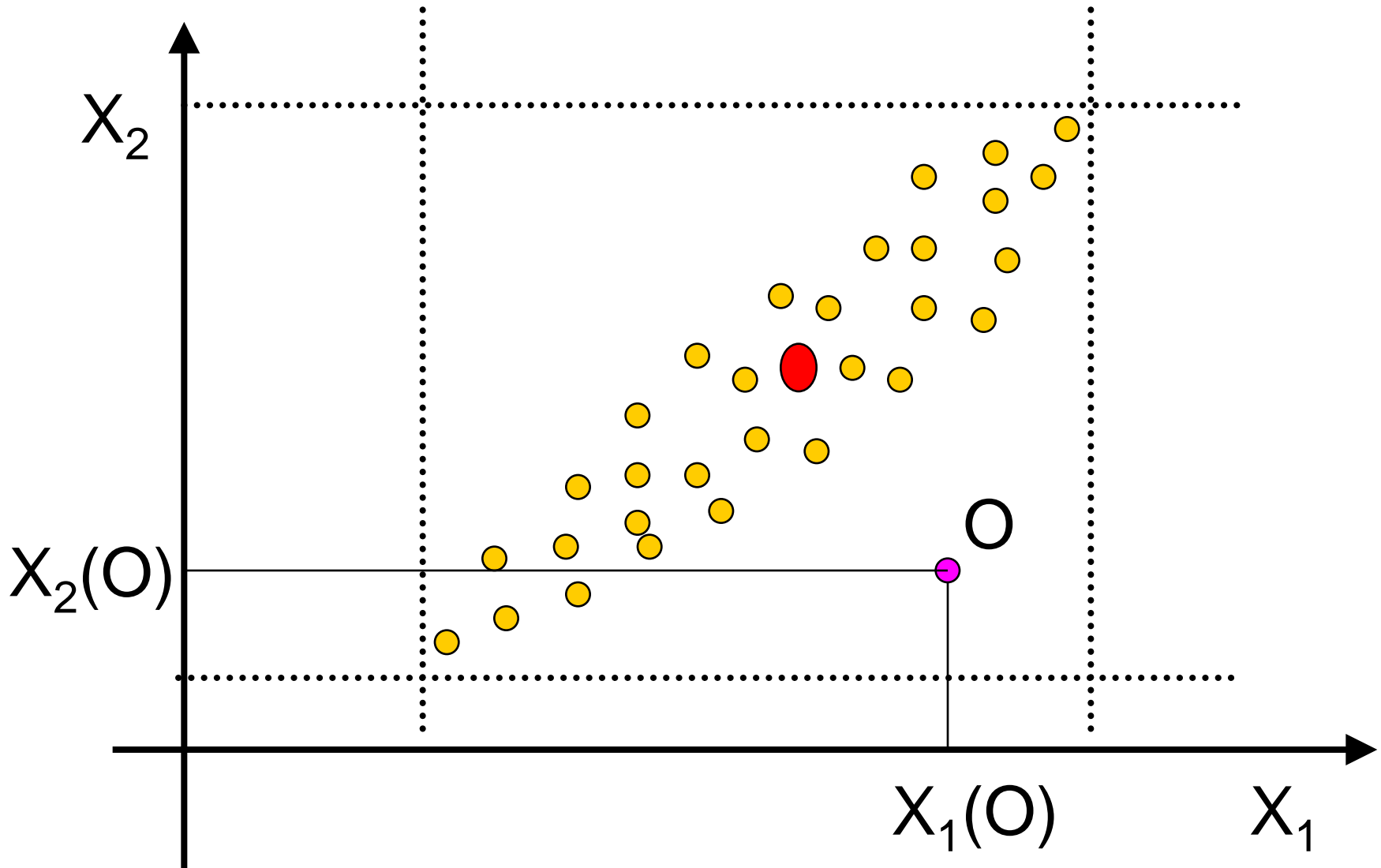
Conceptos Importantes

- Análisis Multivariado
- Distancia de Mahalanobis
- Componentes Principales
- Robustez y Outliers
- Clusterización (K-medias)

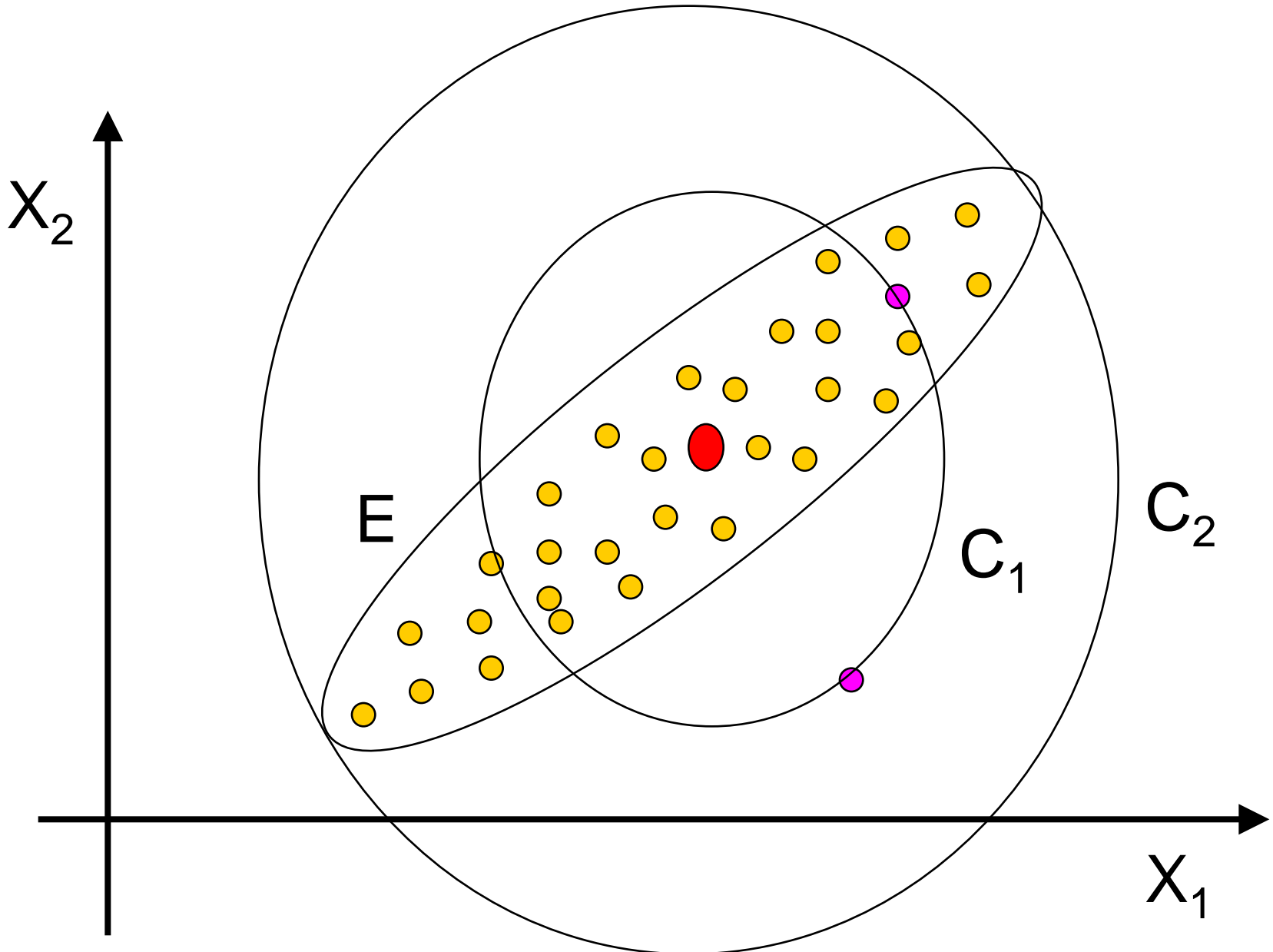
Control Univariado



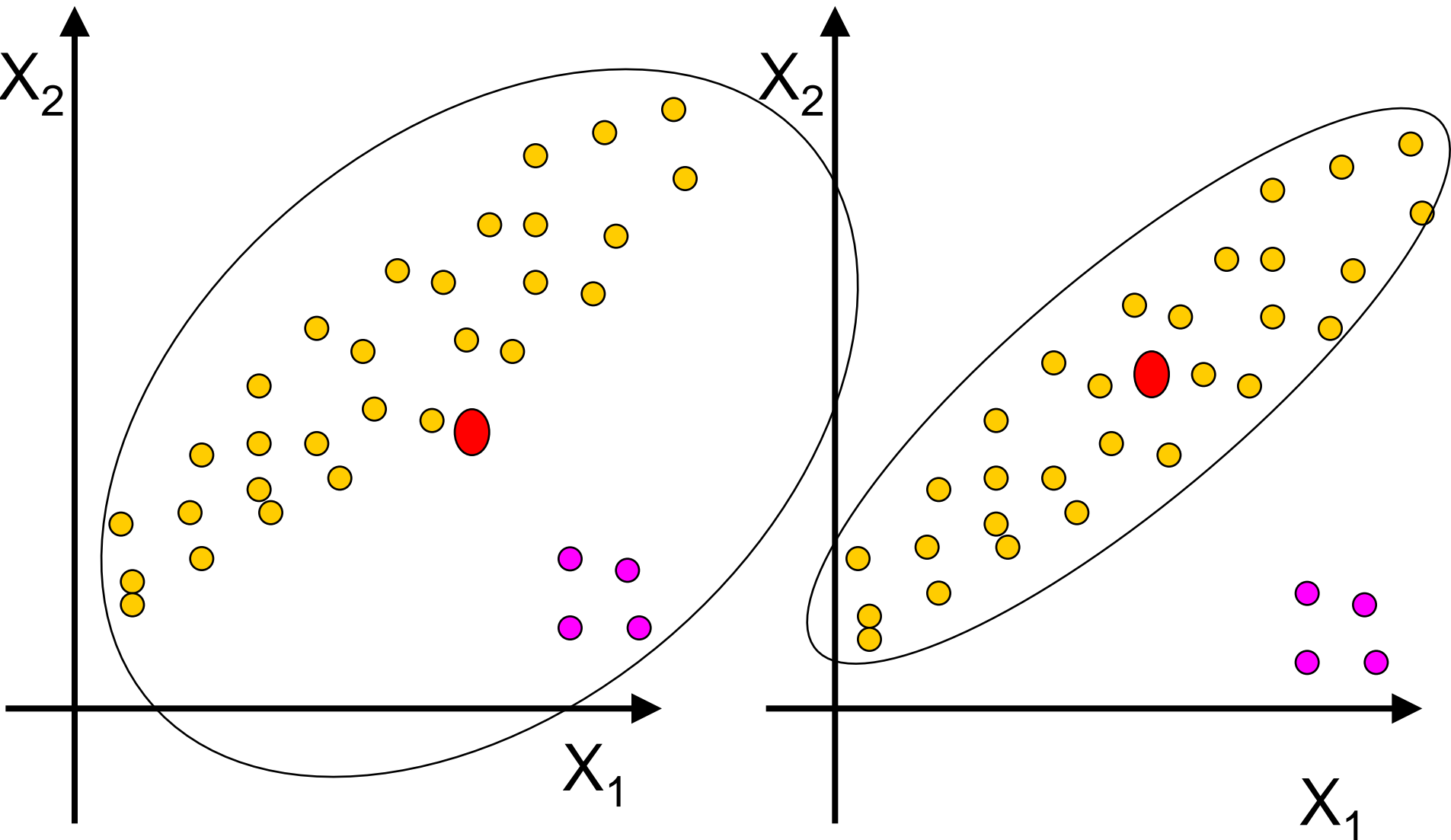
Control Multivariado



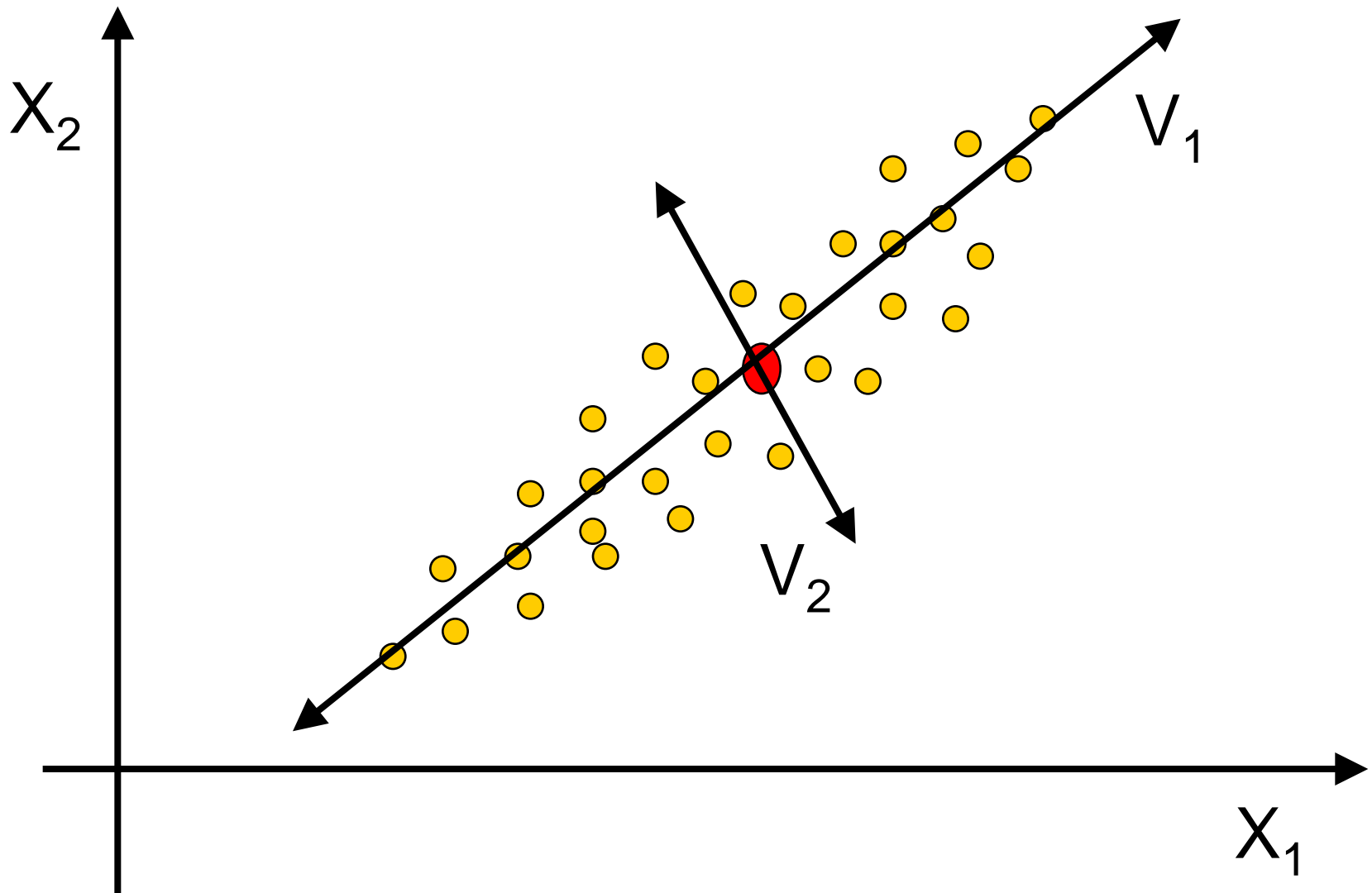
Distancia de Mahalanobis



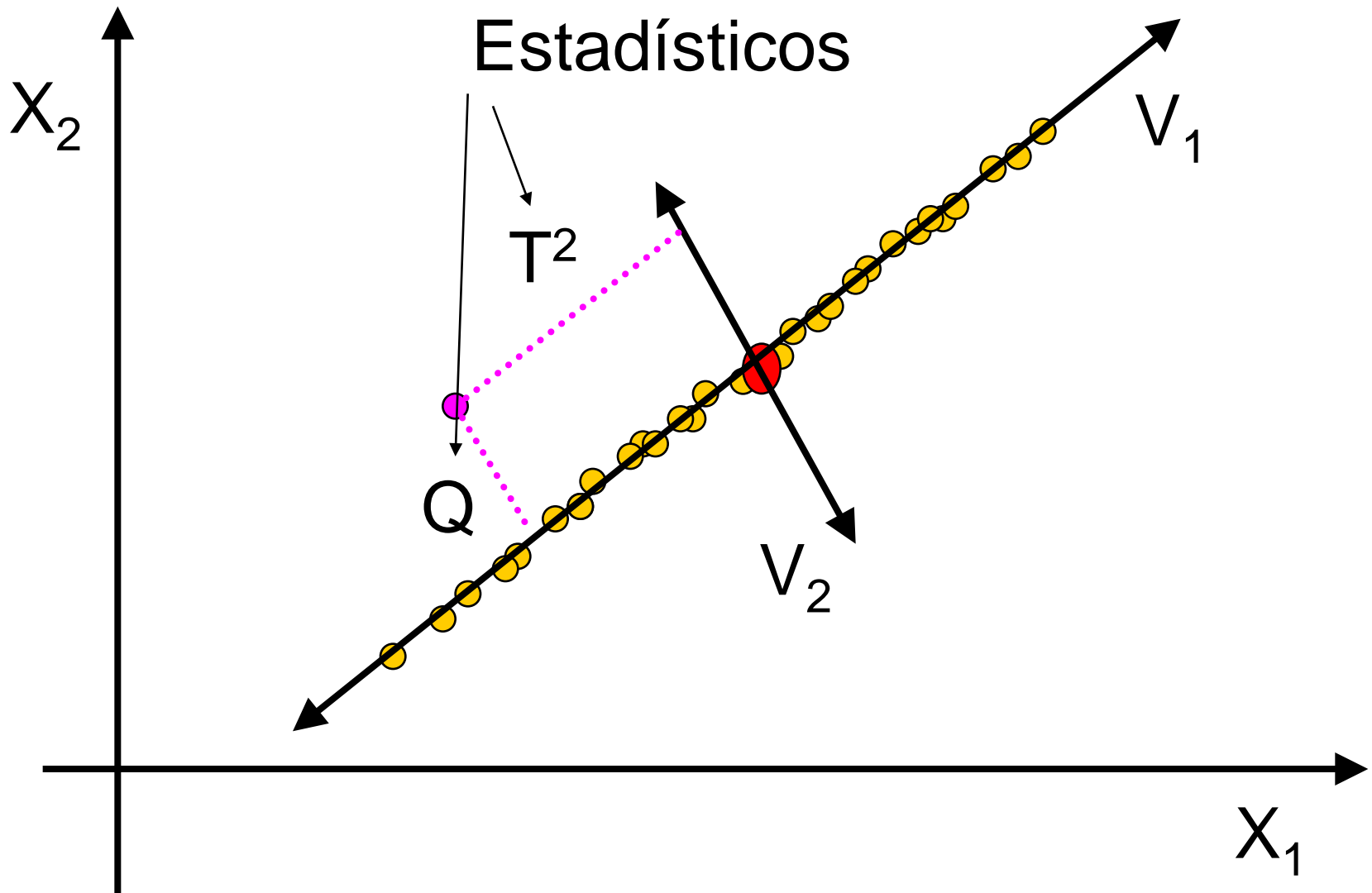
Robustez y Outliers



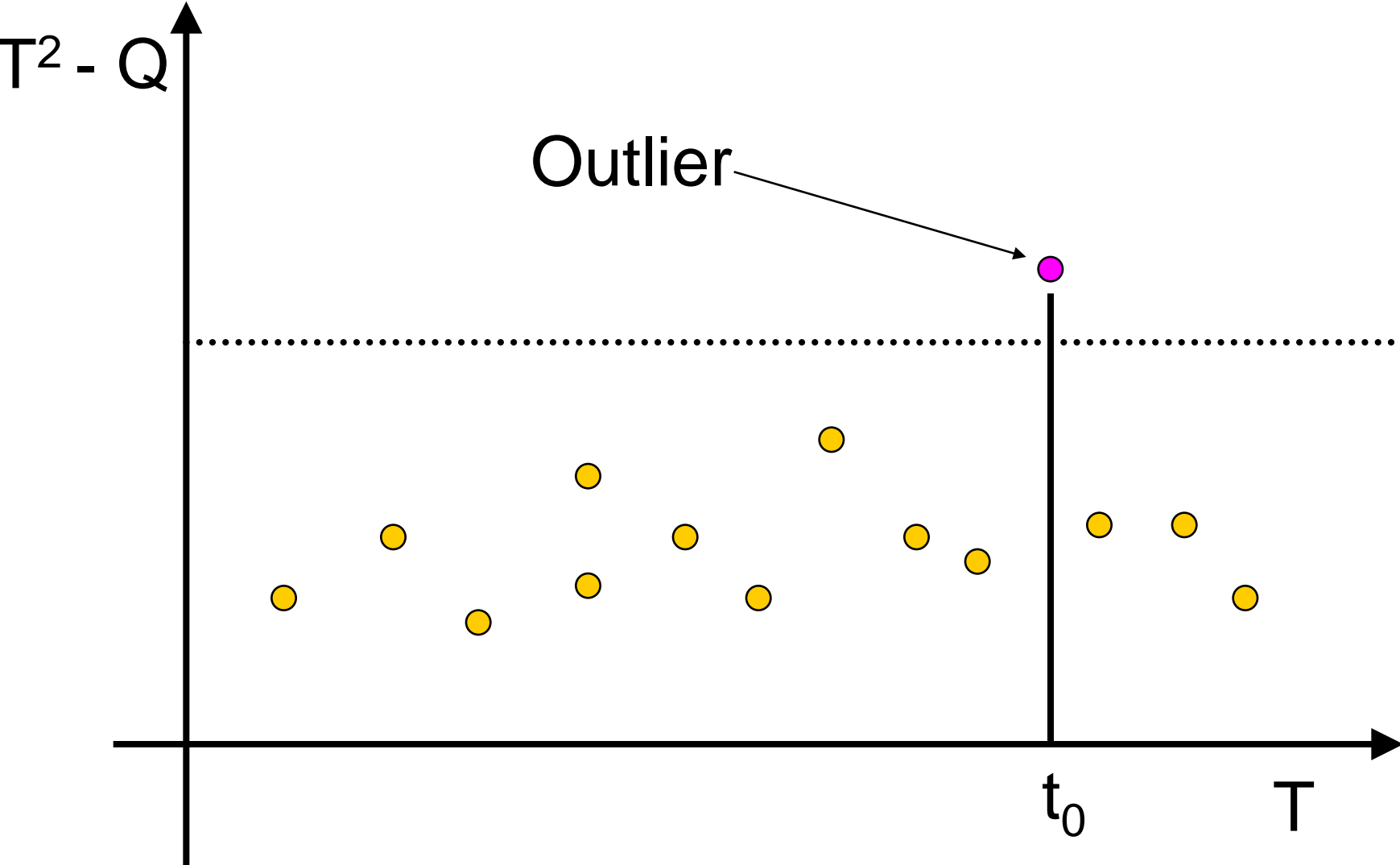
Componentes Principales (1)



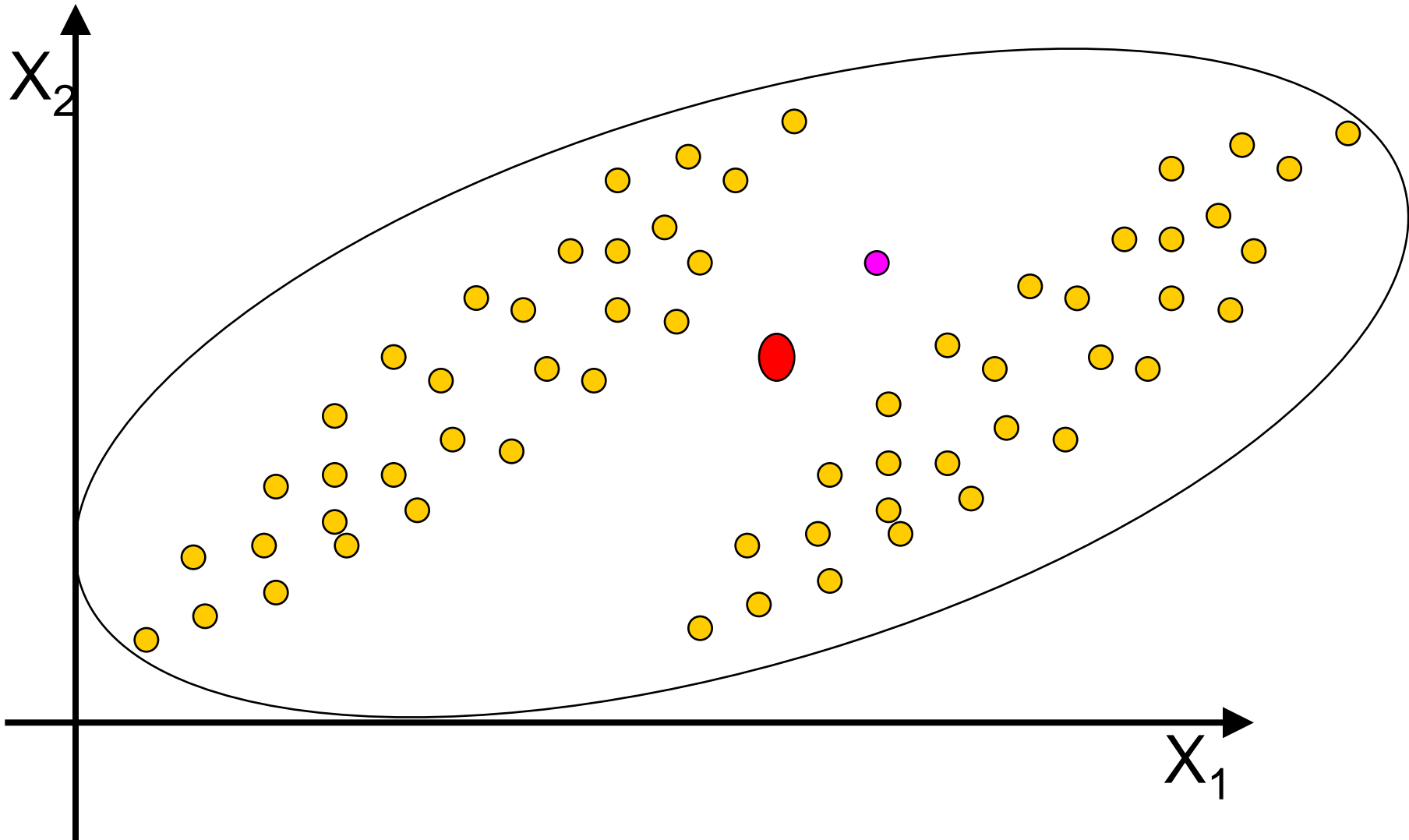
Componentes Principales (2)



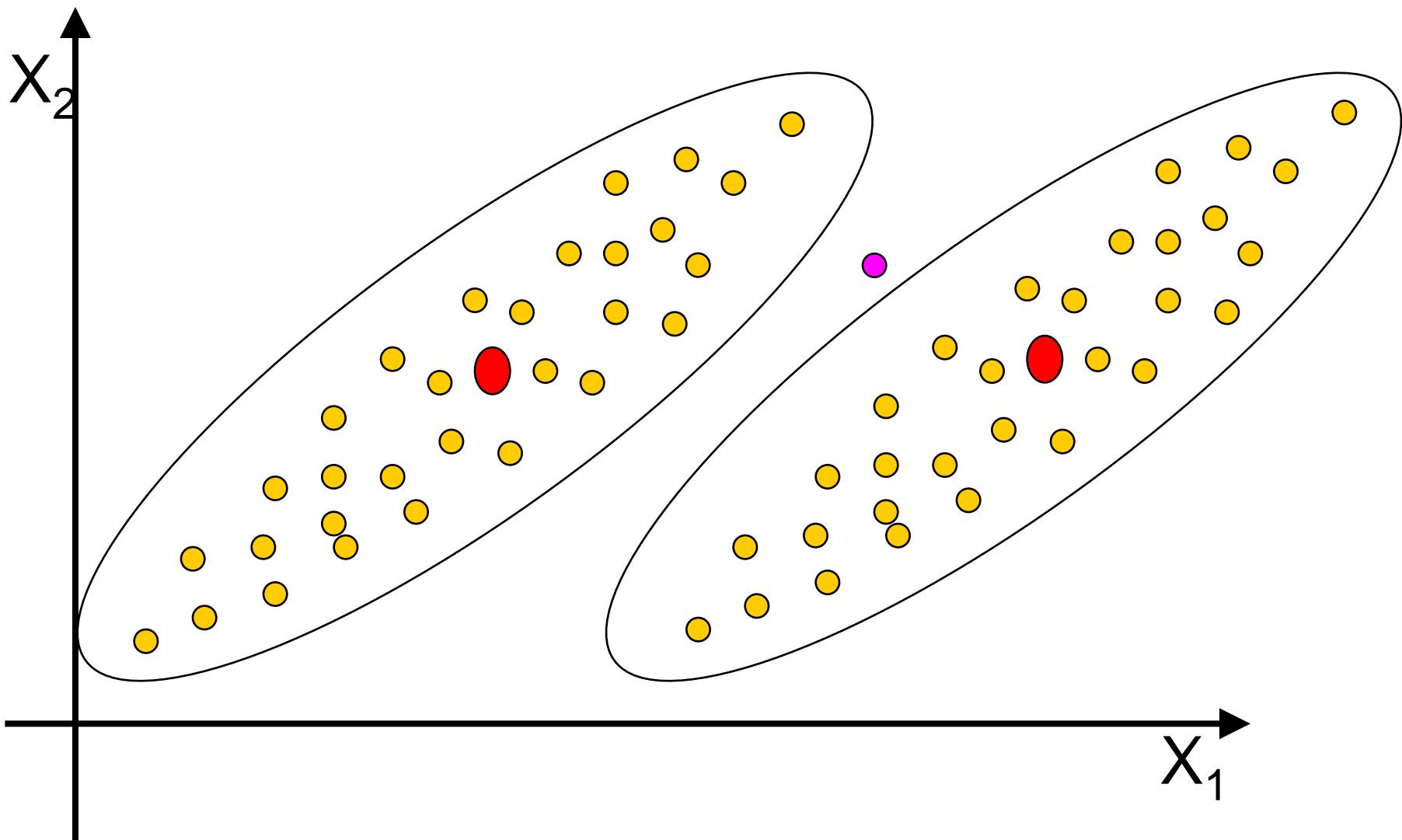
Gráficos de control $T^2 - Q$



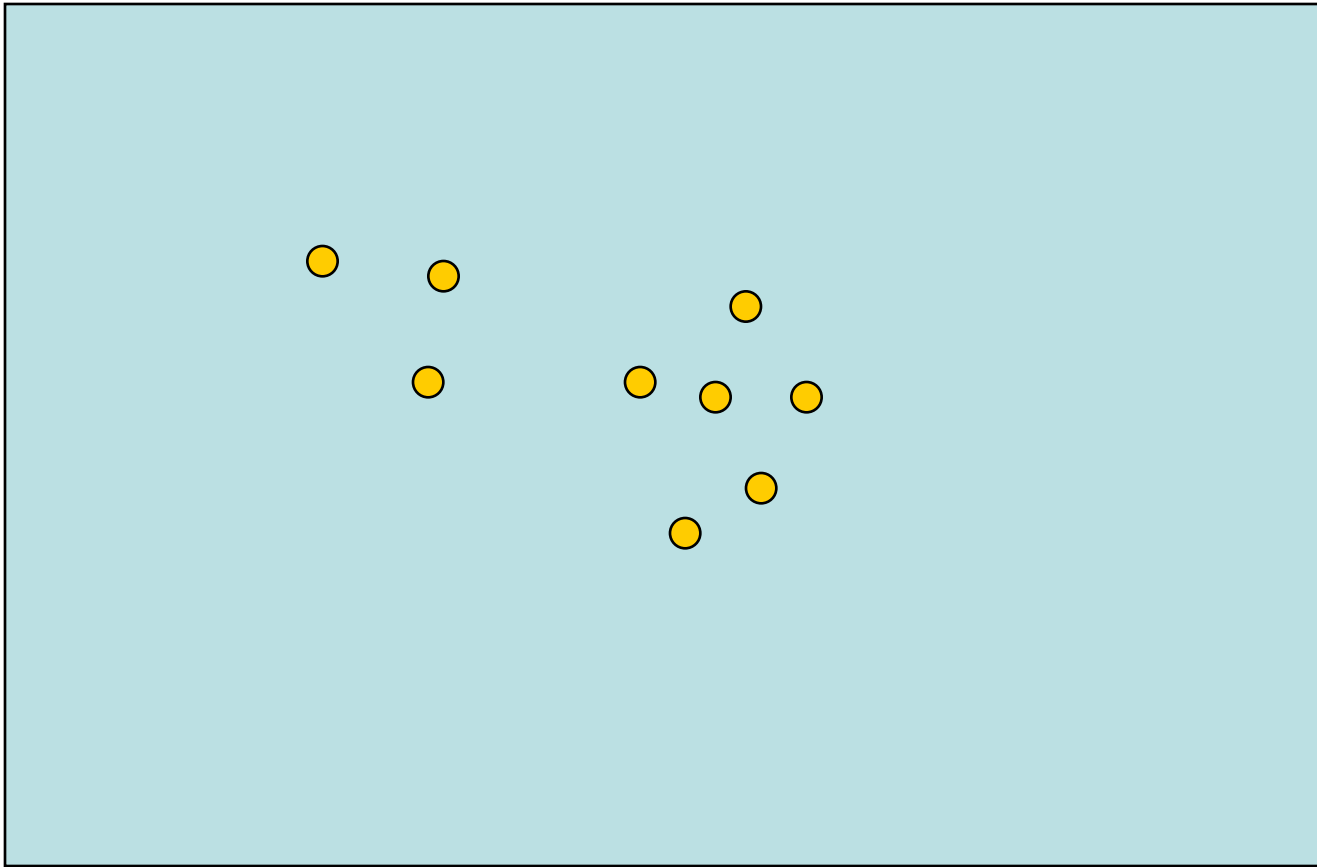
Sin Clusterización



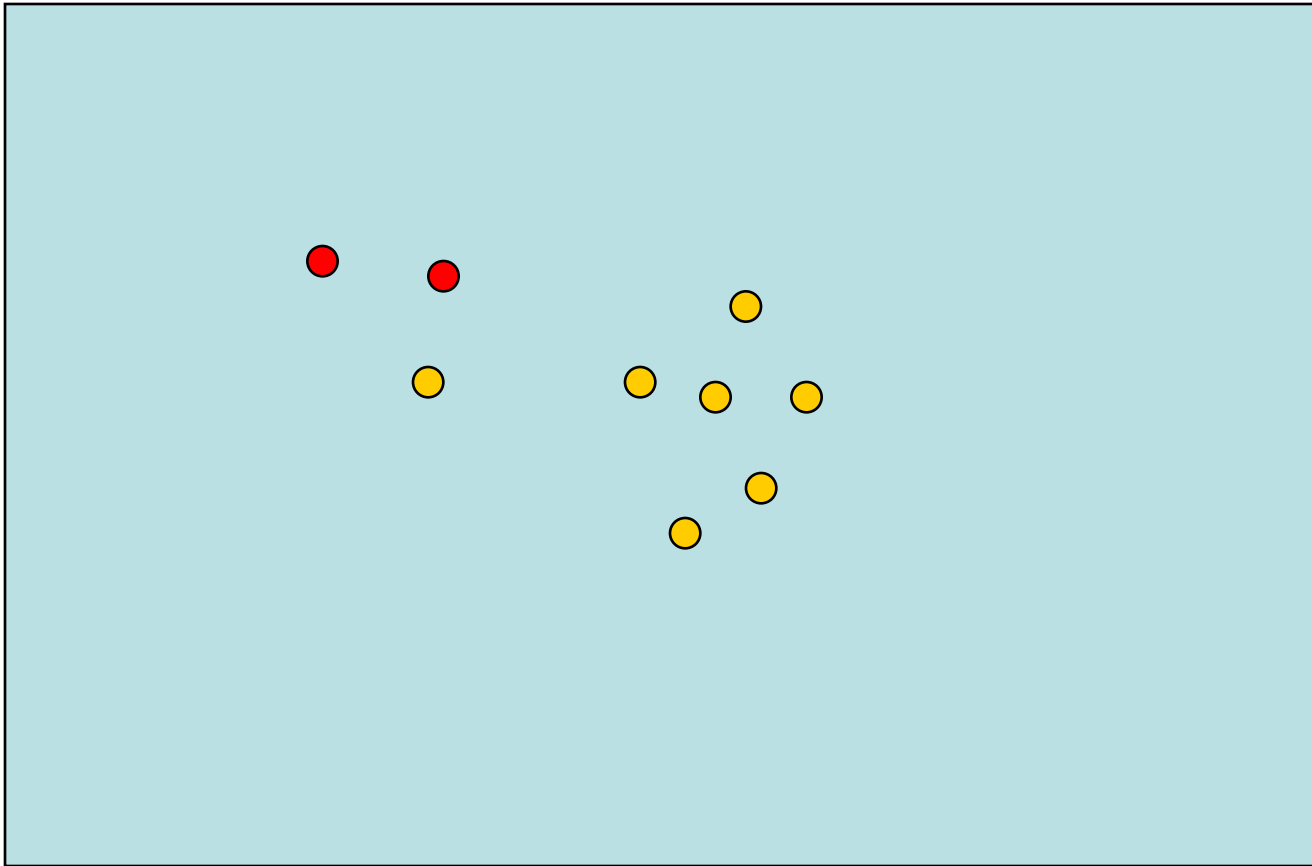
Con Clusterización



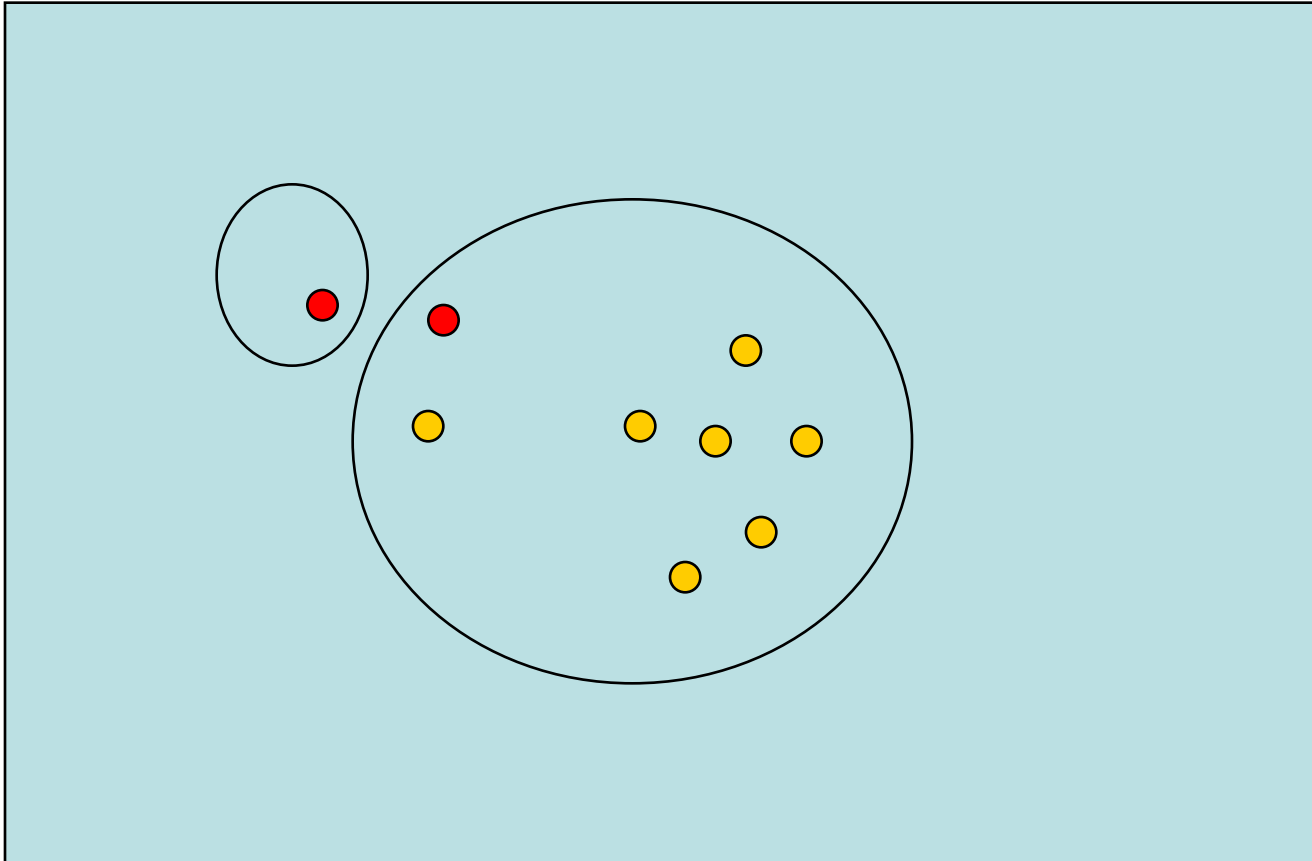
K-Medias (Paso 0)



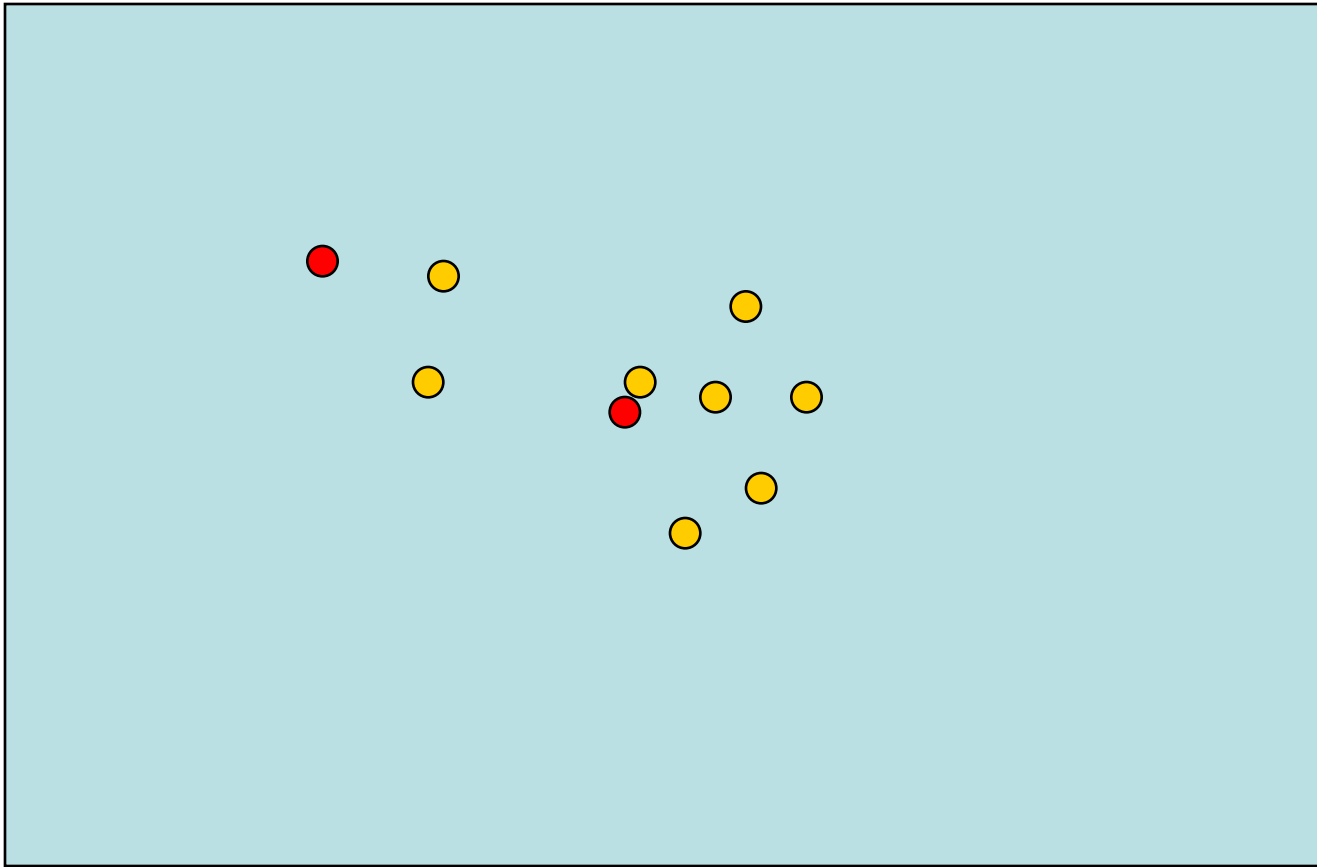
K-Medias (Paso 1)



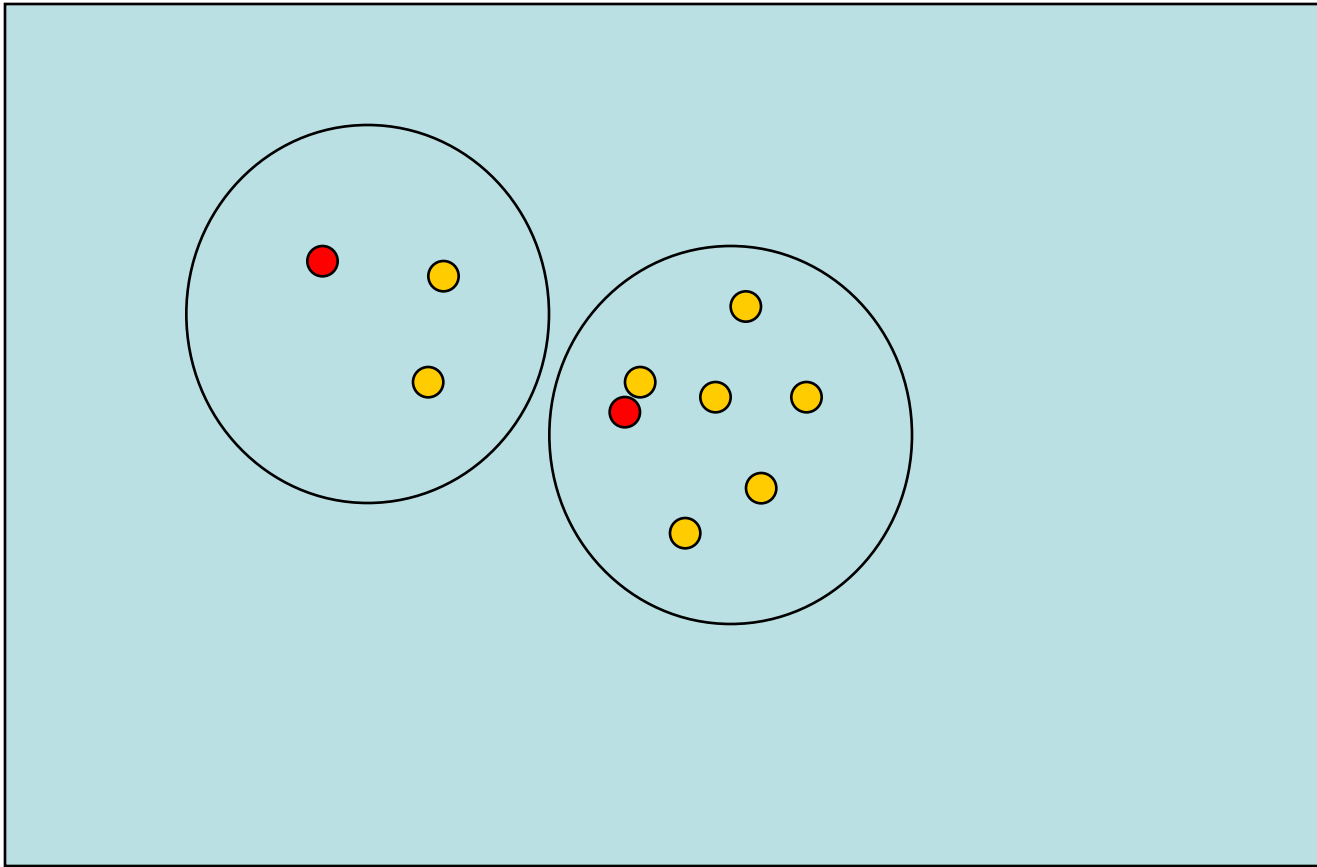
K-Medias (Paso 2)



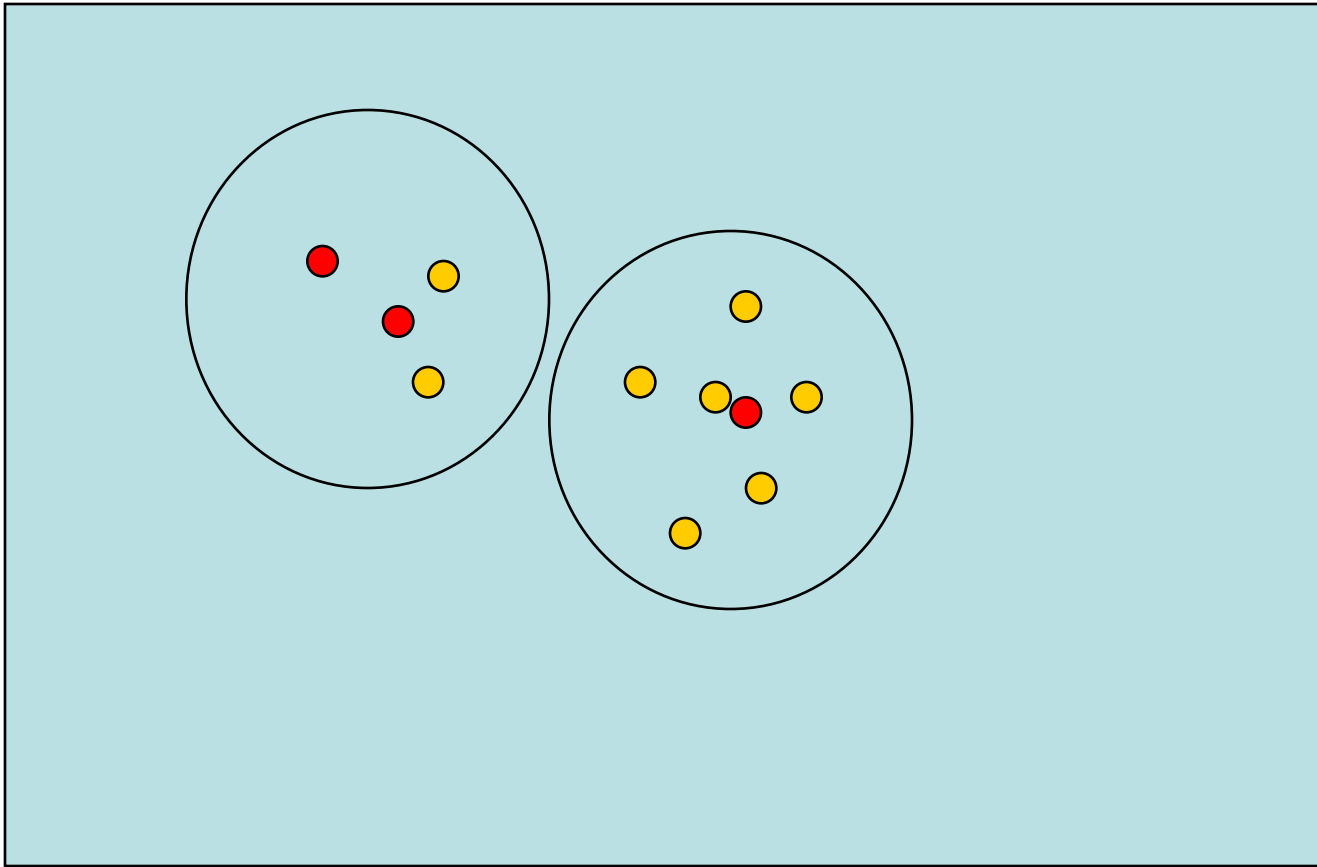
K-Medias (Paso 3)



K-Medias (Paso 4)



K-Medias (Paso 5)



Material de lectura sugerido

- **Applied Multivariate Data Analysis Volume 2, by J. D. Jobson (Facil).**
- **Multivariate Descriptive Statistical Analysis, by L. Lebart (intermedio).**
- **Multivariate Observations, by G.A.F. Seber (Difícil).**