

Cúmulos abiertos con el Gaia DR2

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Cúmulos Abiertos



Grupos de cientos a miles de estrellas formados a partir de una misma nube molecular, son asimétricos y se encuentran en galaxias espirales e irregulares.



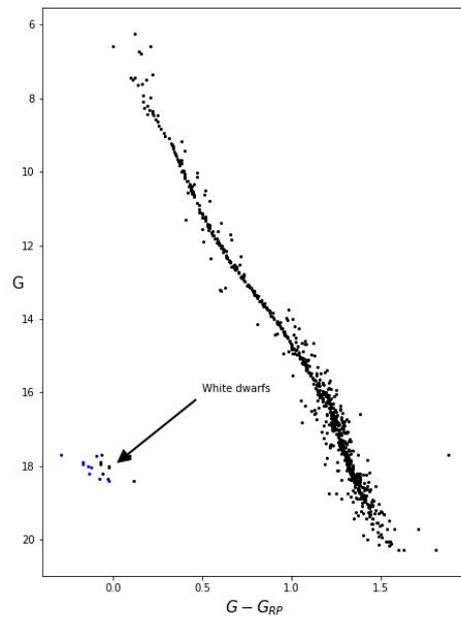
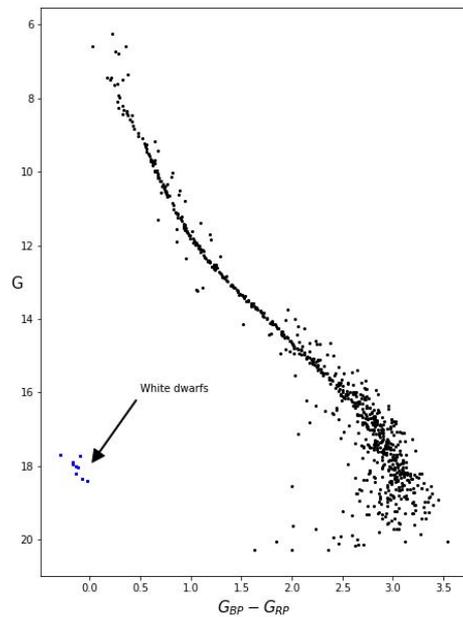
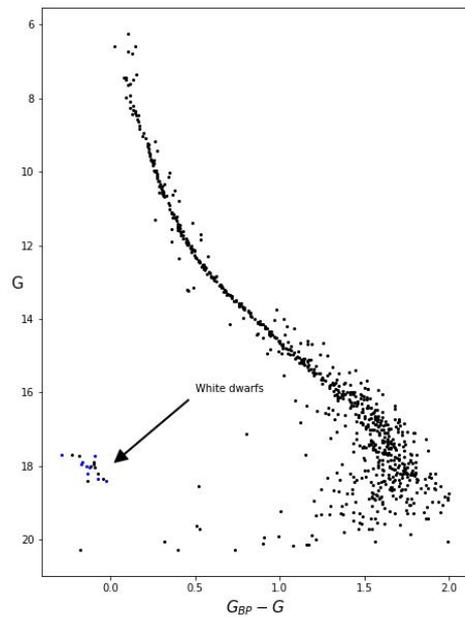
- Pleiades
- Beehive
- NGC 2451
- Blanco 1



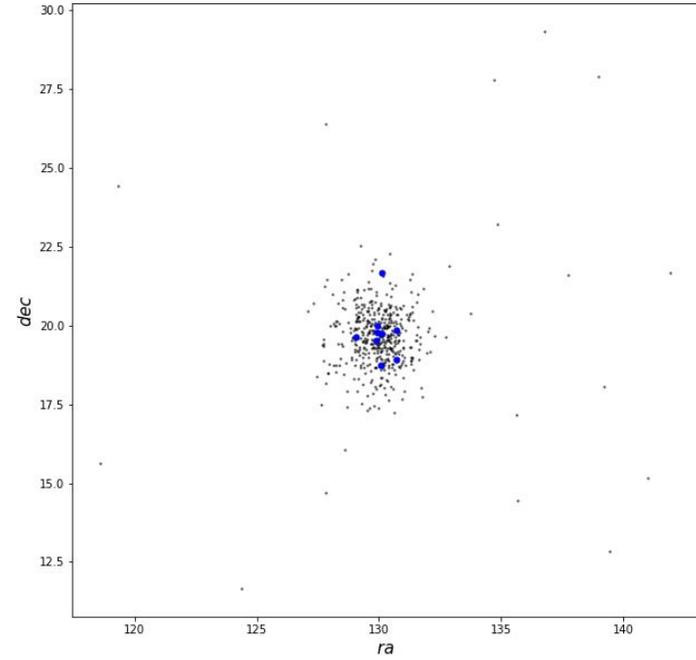
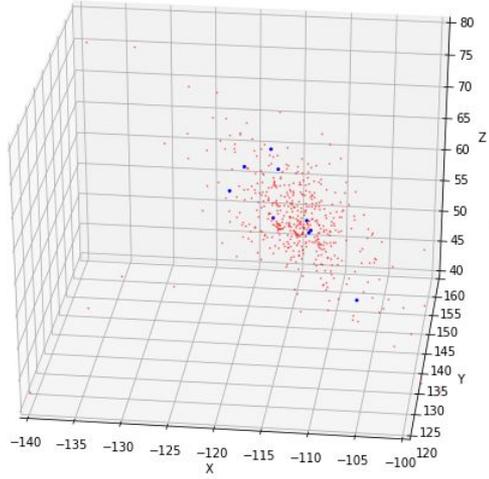
Pertenencia de estrellas

- Limpiar datos.
- Ajustar densidades marginales 1D.
- Definir parámetros iniciales.
- Ajustar la densidad 2D.
- Calcular probabilidades.
- Estimar la distancia usando paralaje.
- Diagramas color-magnitud.
- Distribución espacial.

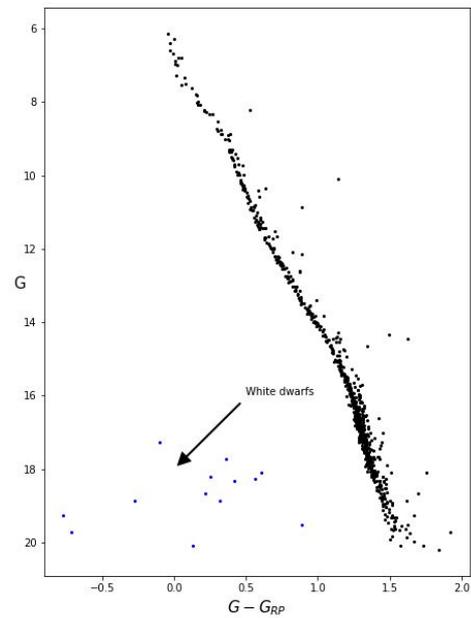
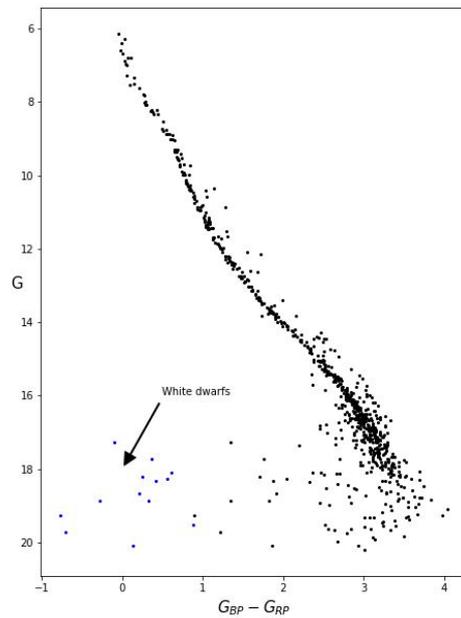
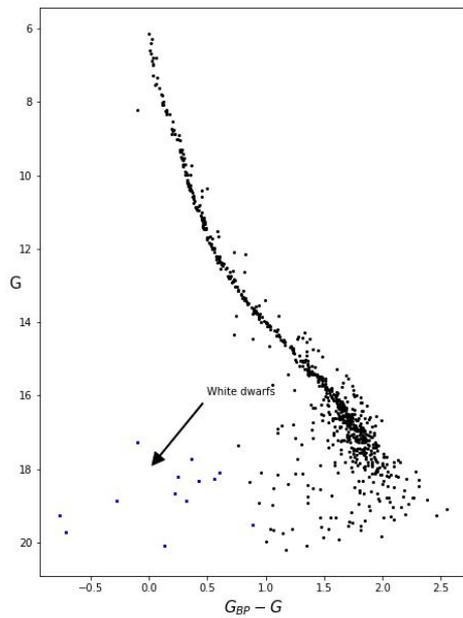
Beehive cluster



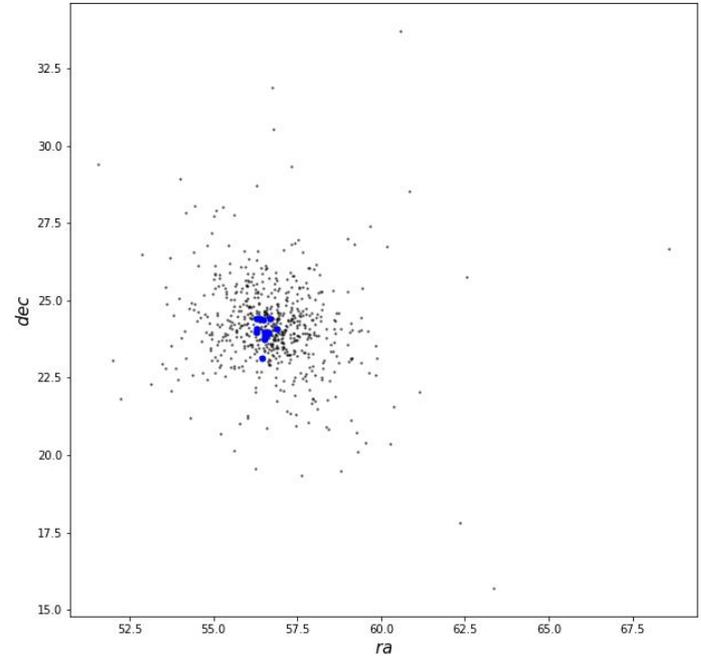
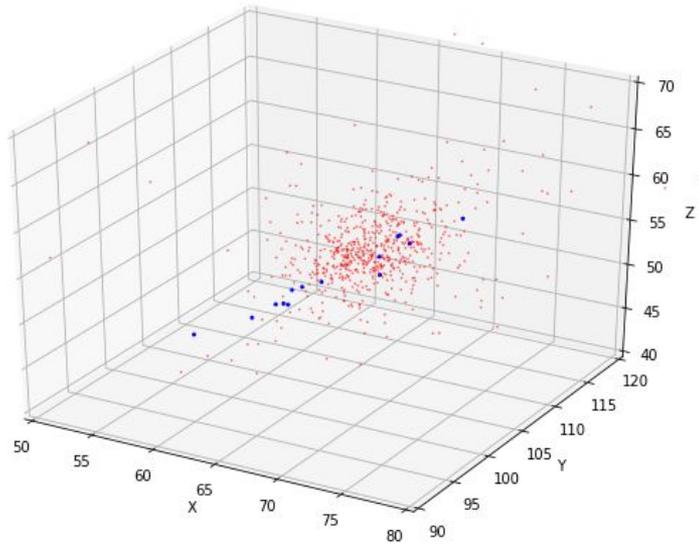
Beehive cluster



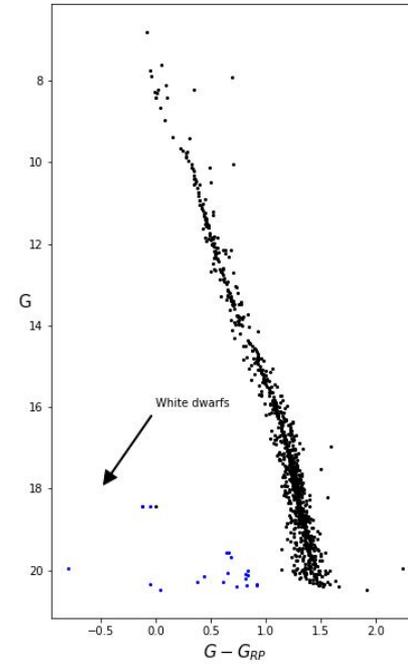
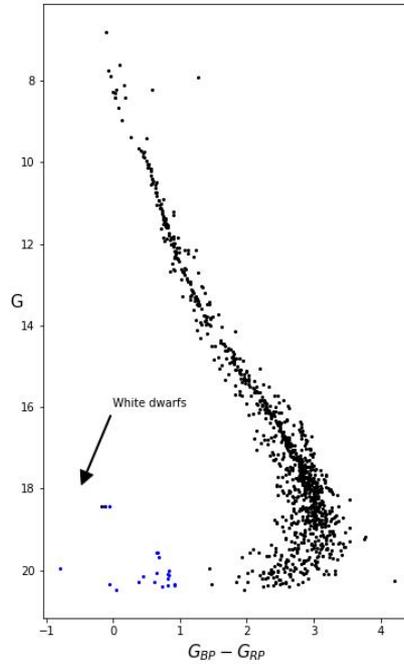
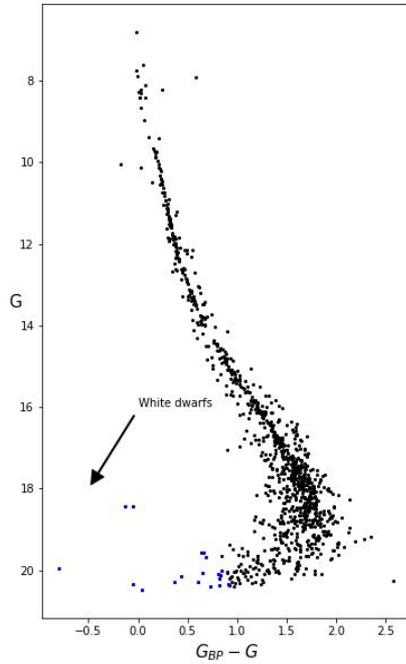
Pleiades



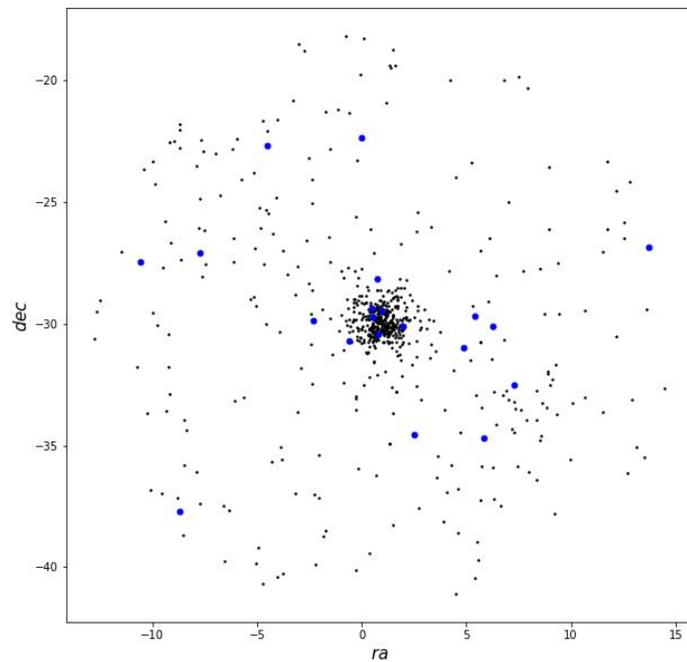
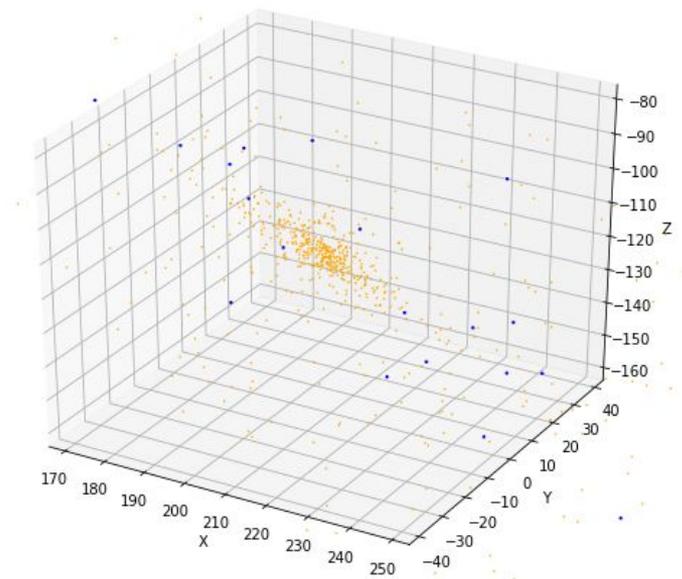
Pleiades



Blanco 1



Blanco 1



Gracias!