For each of these scenarios decide if you could use supervised or unsupervised techniques, or both!

Define the likelihood that an individual will contract a specific disease

- Supervised

Translate a set of images into variables for modeling

- Unsupervised

An ecommerce company wants to identify power users

- Unsupervised, then supervised; group users using clustering, then model user characteristics for eac group.

That same company wants to see shopping patterns in users

- Unsupervised

You want to reduce the number of variables inputting into your random forest model

- Unsupervised