Pedigrees

- A chart of the genetic history of a family over several generations

- **Symbols:** Female ○  Male □

- **Connections:** A married couple ○ □

  A married couple w/ 3 children

  - **Affected individuals:**
    - a person with the genetic trait being looked at will have their shape filled in
    - ex: Normal Male □  Affected Male □
    - Normal Female ○  Affected Female ●
    - (a person who is deceased will have a diagonal line through it □)

- Determining whether a trait is **sex-linked or autosomal**
  - if most of the males are affected, the trait is most likely sex-linked
  - if males and females are equally affected, the trait is likely autosomal

- Determining whether the trait is **dominant or recessive**
  - if the trait is dominant, at least one of the affected individual's parents must have the trait
  - if the trait is recessive, neither parent has to have the disorder because they could be carriers