- Targeted/Whole Exome Sequence Data Workflow

  vcf file $\rightarrow$ SummarizedExperiment

  SummarizedExperiment $\rightarrow$ FamilyExperiment

  Construct trio-states

  mendelian inconsitencies

  TDT

  ScanTrios

- Array Data Workflow

  data files $\rightarrow$ GWASTools ncdf files and objects

  data files $\rightarrow$ trioSetList objects

  trioSetList $\rightarrow$ de novo deletions (GRanges)

  de novo deletions $\rightarrow$ CNVMatrix