

# An overview of this presentation

## Seismic Processing

### Direct ↙

- Direct with a velocity
- Migration
- Using recorded multiples to find an approximate image of an unrecorded primary. FWM.
- Illumination

- Direct without subsurface information
- Inverse scattering series
- Isolated task subseries that remove free surface and internal multiples

### ↘ Indirect

- Satisfy a property  
CIG flatness
- Forward problem in an inverse sense  
AVO
- model matching  
FWI