

# Core Functions of the DescriptiveRepresentationCalculator

## Population data

E.g., group proportions,  
population characteristics

## Political body data

E.g., body size

## ExpectedRepresentation( )

- Inputs: PopShares, BodyN, a, b
- Computes expected degree of descriptive representation
- Uses random sampling model
- Default returns Rose Index

## ObservedRepresentation( )

- Inputs:  
BodyMemberCharacteristics (or  
BodyShares)
- Also needs PopShares, a, b
- Computes observed L1 deviation  
of group shares
- Default returns Rose Index

## SDRepresentation( )

- Inputs: PopShares, BodyN, a, b,  
nMonte
- Residual std. dev. under random  
sampling
- Uses ExpectedRepresentation  
internally
- Quantifies unexplained variability

compare

used by