# Class `'Fease'`

An object for storing information about what data are available or might be available

## Slots

**Name**
The name of the data feasibility object

**Case**
The names of the data feasibility cases

**Catch**
Total annual catches

**Index**
An index of relative abundance, catch per unit effort data or of fishing mortality rate (effort)

**Natural_mortality_rate**
From Maximum age, Tagging data, early fishery catch composition data

**Maturity_at_length**
From gonadal analysis, growth and natural mortality rate estimates

**Growth**
Paired length and age observations, maximum length and an estimate of natural mortality rate

**Length_weight_conversion**
Paired weight and length observations, equivalent data from a similar species

**Fleet_selectivity**
Length composition of catches with growth curve and natural mortality rate, estimates from a similar fleet type targetting a similar species

**Catch_at_length**
Length composition of catches (length samples)

**Catch_at_age**
Age composition of catches (age samples)

**Recruitment_index**
Spawn survey, estimates from a stock assessment, VPA analysis of catch composition data

**Stock_recruitment_relationship**
Stock assessment, a stock assessment of a similar species

**Target_catch**
An agreed annual catch target, MSY proxy

**Target_biomass**
An agreed absolute biomass target, mean historical biomass estimate

**Target_index**
An agreed catch rate target

**Abundance**
Fishery independent survey, current fishing mortality rate from recent length composition, natural mortality rate, maturity at age, growth and stock recruitment relationship, habitat and relative density extrapolation

## Objects from the Class

Objects can be created by calls of the form `new('Fease', stock)`

## Examples

```
newdata<-new('Fease')
```

Developed by Tom Carruthers, Adrian Hordyk.

Site built with pkgdown (http://hadley.github.io/pkgdown/).