CLV

Client
- + clientID: String
- + Codclavecic: String
- + prop_list: PropList
- + prepayment: PrepCurve
- + cancelation: CanCurve
- + default: PDCurve

Product
- + productID: Float
- + Amount: Float
- + Maturity: Int
- + TEA: Float

- + cInterest: Series
- + cBalance: Series

Operation
- + operationID: String
- + codclaveopecta: String
- + clientID: String
- + product: Product
- + canal: Canal
- + Ingreso_por_servicio: Series
- + cost_of_funds: float

- get_survival: np.array
- get_ip_series(): np.array
- get_schedule(): DataFrame

Canal
- + name : String

Propiedad
- + type : Sting ['Client','Product']
- + name: String

PropList(List)
- + list : List of Propiedad
- + name: String

1

OperationStack(List)
- + list : List of Operation
- + name: String

1

BaseCurve
- + name: String
- + maturity: Int

- +predict(x): Curve, np.array

Extends

PrepCurve(BaseCurve)
- + hyperparameters : dict

- +predict(x): Curve, np.array

Extends

CanCurve(BaseCurve)
- + hyperparameters : dict

- +predict(x): Curve, np.array

Extends

PDCurve(BaseCurve)
- + hyperparameters : dict

- +predict(x): Curve, np.array