

# Finance

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## Contents

### 1 Asset Liability Management

#### 1.1 Kapital

##### 1.1.1 Table

History of the Kapital is available in the database (select \* from kapital)

##### 1.1.2 Graph

A graph of the kapital and not income and charges cumulated should be easy to build. Say a readKapital which would select the cash balance + all the other stuff like assets - liabilities  
Better do it with Latex than with the C++

##### 1.1.3 History

Historical graph of the kapital, liab and assets, yearly ALM management

##### 1.1.4 Definitions

Vp: value weight (basically the value of the asset against the total value - to be replaced by InitPrice)

Rp: return weight (the return compared to the total returns)

Cp: cost weight (the maintenance cost compared to the total maintenance)

Vd: historical deprecation of value (the Value compared to the InitPrice)

R/V: monthly rentability (the return minus the maintenance)

##### 1.1.5 Ratios

$V_p = \text{value} / \text{Totalvalue}$

$R_p = \text{return} / \text{Totalreturn}$

$C_p = \text{cost} / \text{Totalmaintenance}$

$V_d = \text{value} / \text{Initprice}$

$R/V = \text{return} / \text{Value}$

### 1.1.6 Formulas

$$\lim_{x \rightarrow \infty} \exp(-x) = 0$$

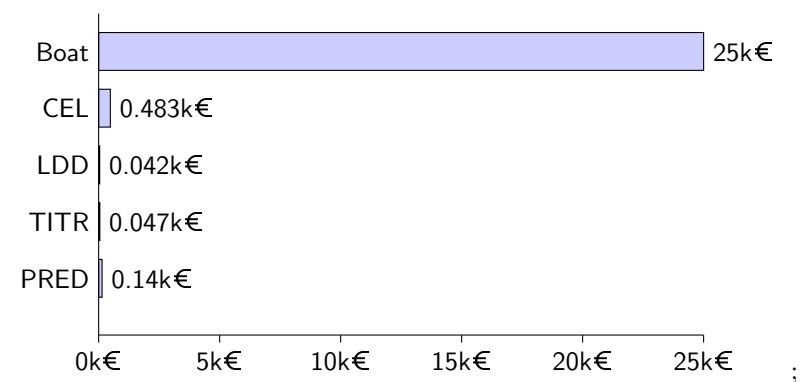
## 1.2 Assets

### 1.2.1 Data

The top 5 assets are listed sorted by value, but the totals are given for all the assets as of today

Assets											
Type	Name	Maturity	Value	Return	Cost	InitPrice	vp	rp	mp	dv	PnL(R/V)
Boat	Acquisition	2013-01-07	25000	50	400	30000	63	0	3	83	0
CEL	Acquisition	2013-01-07	483	50	400	30000	1	0	3	1	0
LDD	Acquisition	2013-01-07	42	50	400	30000	0	0	3	0	0
TITR	Acquisition	2013-01-07	47	50	400	30000	0	0	3	0	0
PRED	Acquisition	2013-01-07	140	50	400	30000	0	0	3	0	0
...	...	...	...	...	...	...	...	...	...	...	...
	Total assets	272834	39593	7991	10267						-2276

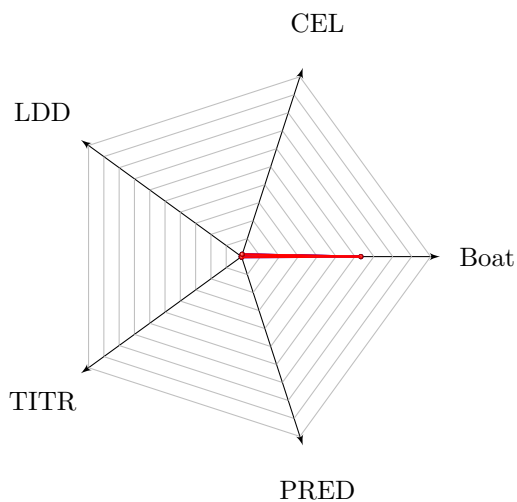
### 1.2.2 Graph



### 1.2.3 Cheese

€€€€€

### 1.2.4 Kiviat



Seems like the assets Cheese

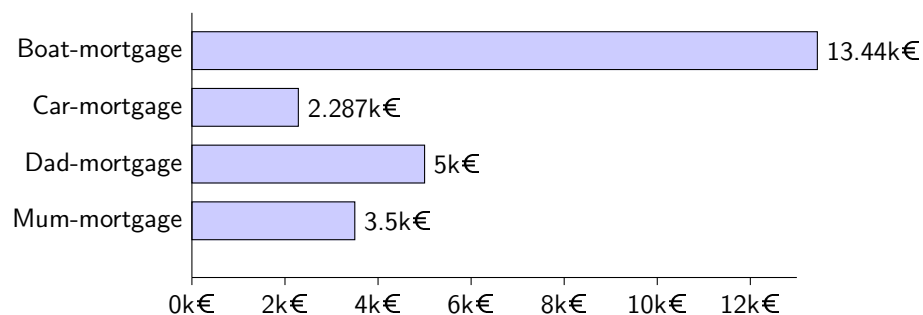
## 1.3 Liabilities

The top 4 liabilities are listed but the totals are given for all the liabilities

### 1.3.1 Table

Liabilities											
Type	Name	InitPrice	Value	Return	Cost	Maturity	vp	rp	mp	dv	PnL
Boat-mortgage	mortgage	30000	13440	0	1	2013-01-07	55	0	25	44	0
Car-mortgage	mortgage	7000	2287	0	1	2013-01-07	9	0	25	32	0
Dad-mortgage	mortgage	5000	5000	0	1	2013-01-07	20	0	25	100	0
Mum-mortgage	mortgage	3500	3500	0	1	2013-01-07	14	0	25	100	0
...	...	...	...	...	...	...	...	...	...	...	...
	Total	45500	24227	0	4						-4

### 1.3.2 Graph



1.3.3 Chart

1.3.4 Cheese

€€€€

## 2 Cashflows

All cashflows from history are being used here

2.0.5 Table

Cashflows			
Category	Debit	Credit	PnL
Debt	16628	0	-16628
Bank	8013	0	-8013
Cmb	6866	-963	-7829
Other	5198	0	-5198
Cash	4330	0	-4330
Food	4028	0	-4028
Toxics	2845	0	-2845
Rent	1582	0	-1582
Telephone	728	0	-728
Home	451	0	-451
...	...	...	...
Total	52236	64462	12226

2.0.6 Graph