

# Finance

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December 21, 2018

## 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

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

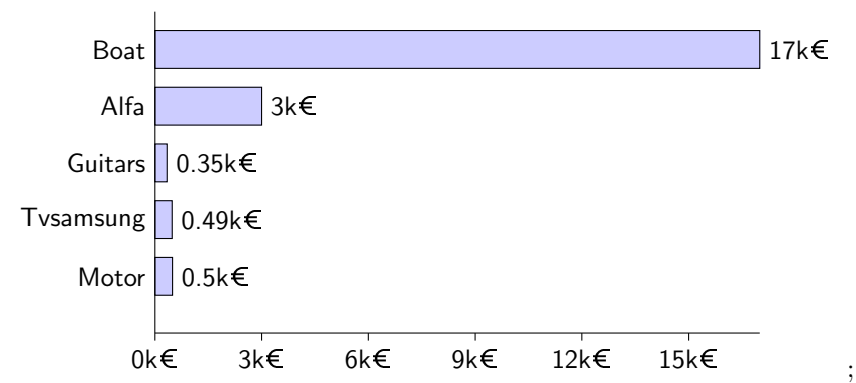
## 1.2 Assets

### 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	17000	50	400	30000	72	0	3	56	0
Alfa	Acquisition	2013-01-07	3000	0	300	7900	12	0	2	37	0
Guitars	Acquisition	2013-01-07	350	0	47	700	1	0	0	50	0
Tvsamsung	Acquisition	2013-01-07	490	0	41	600	2	0	0	81	0
Motor	Acquisition	2013-01-07	500	49	20	600	2	0	0	83	0
...	...	...	...	...	...	...	...	...	...	...	...
	Total assets	93104	23408	7991	10267						-2276

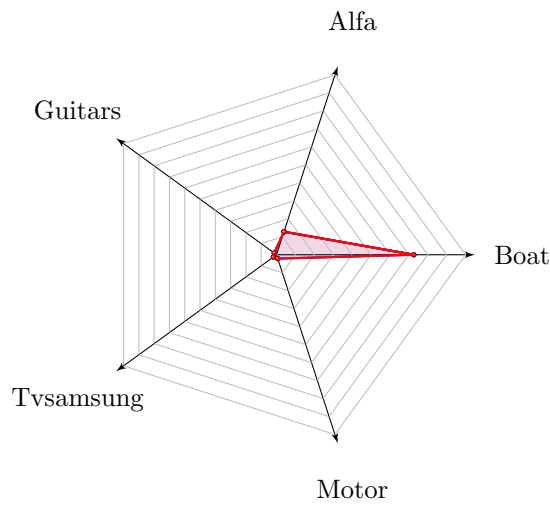
### 1.2.2 Graph



### 1.2.3 Cheese

€€€€€

### 1.2.4 Kiviat



Seems like the assets Cheese

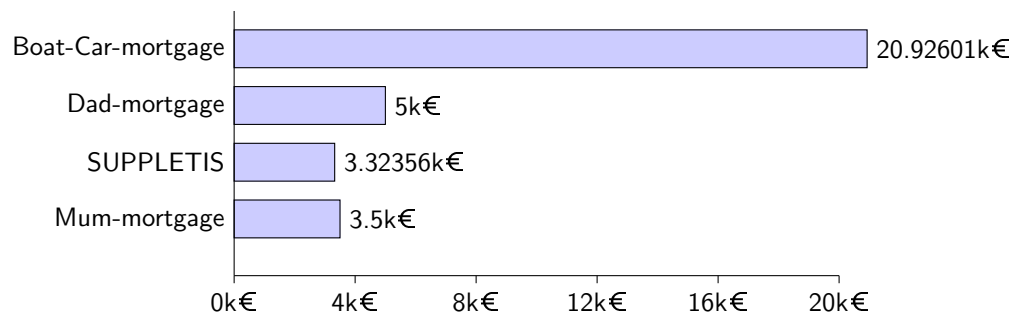
## 1.3 Liabilities

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-Car-mortgage	mortgage	30000	20926.01	0	1	2021-12-10	63	0	25	69	0
Dad-mortgage	mortgage	5000	5000	0	1	2013-01-07	15	0	25	100	0
SUPPLETIS	mortgage	4000	3323.56	0	1	2018-06-06	10	0	25	83	0
Mum-mortgage	mortgage	3500	3500	0	1	2013-01-07	10	0	25	100	0
...	...	...	...	...	...	...	...	...	...	...	...
	Total	42500	32749.57	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
Other	0.0000001	0.0000001	0
Other	104	0	-104
Other	13	0	-13
Other	10	0	-10
Other	190	0	-190
Other	8	0	-8
Other	16	0	-16
Other	4	0	-4
Other	6	0	-6
Other	14	0	-14
...	...	...	...
Total	112143.00006290044	117930.00006290042	5786.99999999999

### 2.0.6 Graph