Company Ticker: Meta Platforms

Ticker: FB Recommendation: SELL

Country: Target Price: -51.92

Industry: Internet Content & Information Analyst Target: 300.0

Short Ratio: 0.92 Up(Down) (%): -128.64%

ESG Score:32.44 Number of Analysts: 54

Market Cap: Div. Yield: 0.0

# 1. Description

## 2. Fundamental Key Ratios

A primeira secção ilustra os dados fundamentais (Tabela 1) e valorização (Tabela 2) da empresa comparativamente ao *peer* de indústria. Na tabela 1 verifica-se (…). Na tabela 2

|  |  |  |
| --- | --- | --- |
|  | FB | **Industry** |
| Gross Margin | 0.78 | 0.68 |
| Operating Margin | 0.31 | 0.51 |
| NI Margin | 0.27 | 0.35 |
| ROA | 0.05 | 0.04 |
| ROE | 0.06 | 0.07 |
| D/E | 0.11 | 0.5 |
| Coverage Ratio | 2131.0 | 0.5 |
| Coverate Ratio Prime | 1.32 | 0.5 |
| Div Rate | 0.0 | 0.0 |

# 3. Valuation Key Ratios

|  |  |  |
| --- | --- | --- |
|  | FB | **Industry(Peer)** |
| P/E | 13.72 | 7.71 |
| P/Forward (E) | 12.87 | 33.14 |
| PEG Ratio | 2.18 | 2.6 |
| P/CFO | 0.05 | 56.42 |
| P/FCF | 1.95 | 30.28 |
| P/B | 3.99 | 5.01 |
| P/Sales | 13.72 4.1 | 6.45 |
| Cash/Assets | 0.27 | 0.36 |
| EV/EBITDA | 9.5 | 24.68 |

# 4. Performance Operativa

## G.O.I. Margins

[gross\_ope\_ni\_margin]

## CFO Margins

[cfo\_margin]

## ROA e ROE

[roa\_roe]

## Coverage Ratios

[coverage\_ratio]

# 5. Modelos de Valorização (Resultados)

## Cash Flow Models

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method Valuation/Cost of Cap. | Market 3 Moment | Carhart 4 Factor | Industry F&F | **Mean** |
| Perpetuity FCF | -68.24 | -45.02 | -111.6 | -74.95 |
| Perpetuity FCFE | -19.8 | 24.2 | -108.82 | -34.81 |
| Perpetuity DDM | 0 | 0 | 0 | 0.0 |
| **Final Mean** | | | | -54.88 |

## Peer Valuation

|  |  |  |
| --- | --- | --- |
| Method Peer Valuation | Valuation Peer | Ind. Growth Rate (from: PEG) |
| P/S | 337.0 | 2.96 |
| P/B | 228.0 |
| P/E | 101.89 |
| P/CFO | 1464.0 |
| P/FCF | 418.0 |
| Mean | 509.78 |

## Monte Carlo Simulations

* 1. Monte Carlo DDM 3 Moment
  2. Monte Carlo DDM Carhart
  3. Monte Carlo DDM Industry F&F

# 6. Prémios de Risco

## Resultados CAPM 3 Moment

|  |  |
| --- | --- |
| **Último Beta (1Y)** | 1.07 |
| **Média Beta (1Y)** | 1.01 |
| **Desvio Padrão Beta (1Y)** | 0.08 |
| **Risco Coskewness (1Y)** | 1.49 |
| **Risco Coskewnewss (\*) (1Y)** |  |
| **Último R2** | 0.37 |
| **Último Total Beta** | 2.87 |

[beta\_r2\_graph\_1]

[p\_values\_graph\_1]

## Resultados Carhart Model (4 Factor Model)

|  |  |  |
| --- | --- | --- |
| **Factor** | **Beta** | **p-value** |
| **Market** | 1.36 | |
| **Size Factor** | 0.37 | 0.11 |
| **Value Factor** | 1.16 | 0.0 |
| **Momentum Factor** | -0.44 | 0.0 |
| **R2** | 0.49 | |

[beta\_4\_factor]

[p\_values\_graph\_2]

## Resultados Regressão Quantil.

[qr\_regression\_graph]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Quantil | Alpha | Beta Market | Lower Bound | Upper Bound |
|  |  |  |  |  |

## Models Assumption

## Model (A)

* Assumes a cost of equity of calculated using CAPM.
* Assumes cost of capital of calculated using WACC.
* Retrieves the FCF from Yahoo Finance API.

### A1.

* Assumes a perpetual growth rate of 2%.

### A2.

* Assumes implied growth rate derived from PEG for 1 year
* Assumes a perpetual growth rate of 2%.

### A3.

* Assume average growth rate on revenue for the last 3 years for the following 5 years .
* Assumes a perpetual growth rate of 2%.

## Model (B)

* Assumes a cost of equity of calculated using CAPM.
* Assumes cost of capital of calculated using WACC.
* Retrieves the FCF from Yahoo Finance API.

### B1.

* Assumes a perpetual growth rate of 2%.

### B2.

* H-Model is used, where H = 5 years.
* Short term growth rate derived from Sustainable Growth rate (SGR) of the company.
* Long term rate converges to industry SGR.

## Monte Carlo Simulation

* Retrieves data from Alpha Vantage API.
* Randomly generate inputs assuming a normal distribution for each input
  + 1000 Iterations
  + Sensitivity inputs:
    - Revenue growth rate
    - EBIT Margin
    - Working Capital to Revenue ratio
    - CAPEX to Revenue ratio