

# RKD Company Specific Financials

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## Key Points:

- RKD CSF allows you to access company specific fundamental data, giving you all of the data that was reported by a company
- MDO allows users to extract and use this data with minimal programming

## What is Reuters Knowledge Direct (RKD) Company Specific Financials (CSF)

Reuters Knowledge Direct (RKD) offers 2 different formats for financial statements:

1. STD - Standardized
2. CSF - Company Specific

Both formats are available in QA Direct from Refinitiv, and can be accessed via the `mdo.data` API. While many different vendors offer the standardized financials, the Company Specific Financials are more unique. Using Company Specific Financials requires some extra work, but offers a different perspective when looking at fundamental data.

## What type of analysis is possible with CSF?

1. View specific metrics / line items over time that you believe significantly impact the companies financial results
2. View complete financial statements for any company, any date, restated or unrestated.

## EXAMPLE 1: View Company Specific Metrics over time

As an example, in the code below we can:

1. Retrieve all Quarterly Income Statements for AAPL-US from 2000 to 2019.
2. Drilldown into specific line items that may be part of 1 overall COA code (e.g. number of units sold)
3. Create a chart of the specific line items over time

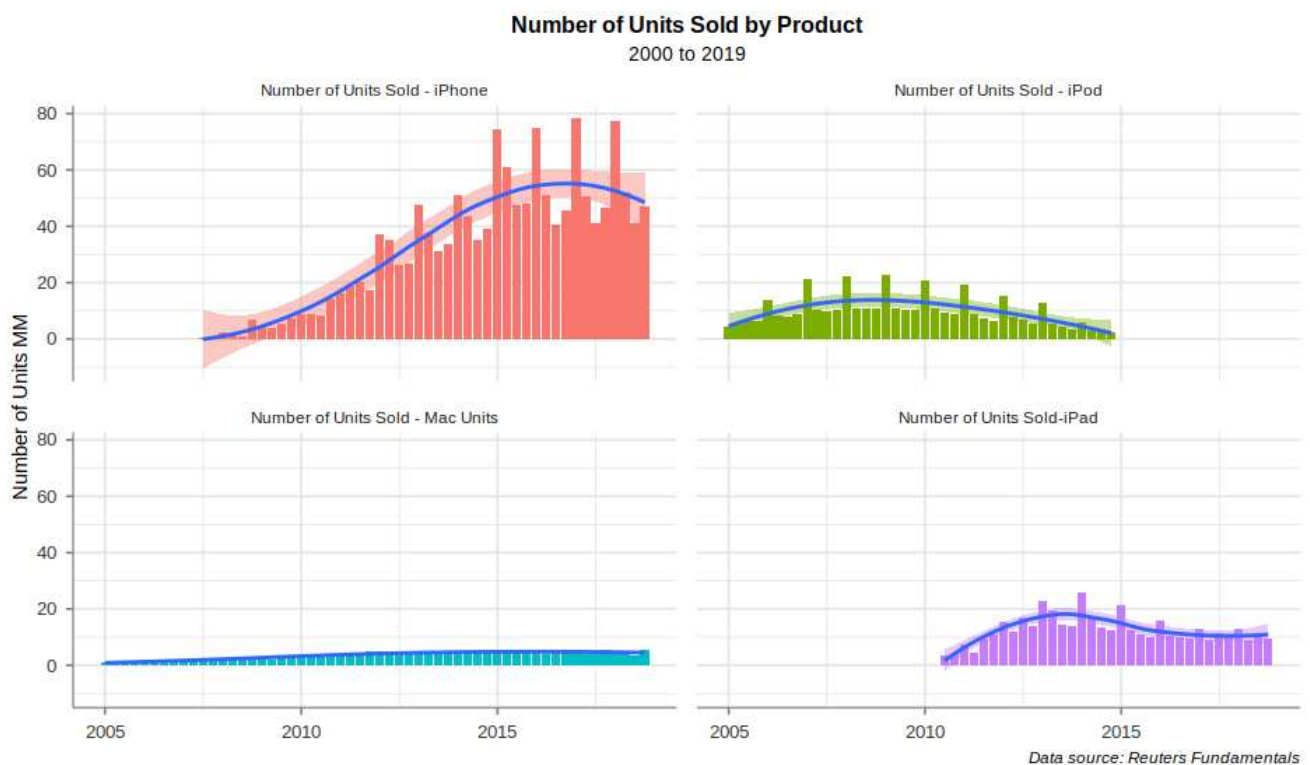
```
library(mdo.data)
library(ggplot2)

# create the universe
universe <- CustomUniverse(security = c('AAPL-US'))
universe <- DimensionUniverseRange(items = 'RKD_C_IS_Q', universe = universe,
                                   startDate = '2000-03-31', endDate = '2019-12-31')
```

```
# get the COA code and lineid specific item description
PlugData(universe, c("RKD_C_IS_COA_Q", "RKD_C_IS_ITEM_DESC_Q"), update = T)
FundamentalData(universe, "RKD_C_IS_VALUE_Q", update = T)

# filter down the universe to only include line items 136-139 for quarterly Income Statement
universe <- universe[RKD_C_IS_COA_Q == 'MUNI', .(day, variable = RKD_C_IS_ITEM_DESC_Q,
value = RKD_C_IS_VALUE_Q / 10^6)]
```

```
plot(p)
```



## EXAMPLE 2: View Full Financial Statements

As another example, in just a few lines of code we can:

1. Retrieve all Quarterly Income Statements for AAPL-US for 2019.
2. Print out the lineid and a description of line id for the Income Statement
3. Format the data into a horizontal financial statement for multiple periods

```
library(data.table)

# create the universe
universe = CustomUniverse(security = 'AAPL-US')
universe = DimensionUniverseRange(items = 'RKD_C_IS_Q', universe = universe,
startDate = '2019-03-31', endDate = '2019-12-31')

# get the COA code and lineid specific item description
PlugData(universe, c(COA = "RKD_C_IS_COA_Q", lineitem = "RKD_C_IS_ITEM_DESC_Q"), update = T)
```

```
FundamentalData(universe, items = "RKD_C_IS_VALUE_Q", restated = T, update = T)
```

```
# transpose the data so each fiscal date is a column and data is ordered numerically by lineid
#universe[, lineid := as.numeric(lineid)]
universe <- dcast(universe, formula = security + as.numeric(lineid) + COA + lineitem ~ day,
                 value.var = 'RKD_C_IS_VALUE_Q')
```

security	lineid	COA	lineitem	2019-03-31	2019-06-30	2019-09-30	2019-12-31
AAPL-US	1	SREV	Products	46565.00	42354.00	51529.00	79104.00
AAPL-US	2	SREV	Services	11450.00	11455.00	12511.00	12715.00
AAPL-US	5	RTL	Total Revenue	58015.00	53809.00	64040.00	91819.00
AAPL-US	8	SSGA	Selling, general and administrative	4458.00	4426.00	4578.00	5197.00
AAPL-US	10	SCOR	Product	32047.00	29473.00	35238.00	52075.00
AAPL-US	11	SCOR	Service	4147.00	4109.00	4489.00	4527.00
AAPL-US	16	ERAD	Research and development	3948.00	4257.00	4110.00	4451.00
AAPL-US	28	ETOE	Total Operating Expense	44600.00	42265.00	48415.00	66250.00
AAPL-US	34	SIIN	Interest and dividend income	1358.00	1190.00	1106.00	1045.00
AAPL-US	35	SIEN	Interest Expense	-1010.00	-866.00	-810.00	-785.00
AAPL-US	37	SONT	Other income/expense, net	30.00	43.00	206.00	89.00
AAPL-US	42	EIBT	Net Income Before Taxes	13793.00	11911.00	16127.00	25918.00
AAPL-US	43	TTAX	Provision for Income Taxes	2232.00	1867.00	2441.00	3682.00
AAPL-US	45	TIAT	Net Income After Taxes	11561.00	10044.00	13686.00	22236.00
AAPL-US	46	NIBX	Net Income Before Extra. Items	11561.00	10044.00	13686.00	22236.00
AAPL-US	51	NINC	Net Income	11561.00	10044.00	13686.00	22236.00
AAPL-US	54	CIAC	Income Available	11561.00	10044.00	13686.00	22236.00

			to Com Excl ExtraOrd				
AAPL-US	56	XNIC	Income Available to Com Incl ExtraOrd	11561.00	10044.00	13686.00	22236.00
AAPL-US	57	SBAS	Basic Weighted Average Shares	4674.07	4570.63	4490.81	4415.04
AAPL-US	61	SBBF	Basic EPS Excluding ExtraOrdinary Items	2.47	2.20	3.05	5.04
AAPL-US	62	SBAI	Basic EPS Including ExtraOrdinary Items	2.47	2.20	3.05	5.04
AAPL-US	65	SDNI	Diluted Net Income	11561.00	10044.00	13686.00	22236.00
AAPL-US	66	SDWS	Diluted Weighted Average Shares	4700.65	4601.38	4520.38	4454.60
AAPL-US	70	SDBF	Diluted EPS Excluding ExtraOrd Items	2.46	2.18	3.03	4.99
AAPL-US	71	SDAI	Diluted EPS Including ExtraOrd Items	2.46	2.18	3.03	4.99
AAPL-US	80	DDPS1	DPS-Ordinary Shares	0.73	0.77	0.77	0.77
AAPL-US	81	DCGD	Gross Dividends - Common Stock	3499.00	3580.00	3524.00	3485.00
AAPL-US	83	VPTI	Normalized Income Before Taxes	13793.00	11911.00	16127.00	25918.00
AAPL-US	86	VITN	Inc Tax Ex Impact of Sp Items	2232.00	1867.00	2441.00	3682.00
AAPL-US	87	VIAT	Normalized Income After Taxes	11561.00	10044.00	13686.00	22236.00
AAPL-US	88	VIAC	Normalized Inc. Avail to Com.	11561.00	10044.00	13686.00	22236.00

AAPL-US	89	VBES	Basic Normalized EPS	2.47	2.20	3.05	5.04
AAPL-US	90	VDES	Diluted Normalized EPS	2.46	2.18	3.03	4.99
AAPL-US	91	VRXP	Rental Expense	NA	NA	NA	3369.00
AAPL-US	95	VRAD	Research and development	3948.00	4257.00	4110.00	4451.00
AAPL-US	100	VDEP	BC - Depreciation of Fixed Assets	3040.00	2933.00	3179.00	2816.00
AAPL-US	103	VIEX	Interest Expense	1010.00	866.00	810.00	785.00
AAPL-US	112	VSCP	Stock-based Compensation R&D	1514.00	1496.00	1499.00	1710.00

*All data items can be properly split-adjusted, converted to a common currency, returned in like units, and returned in the requested restated or unrestated format.*

*Not for distribution.*