

CONQUERING YOUR FINANCES WITH EMACS AND LEDGER

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ABOUT ME

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WHAT IS LEDGER?

- ledger-cli.org
- Double entry accounting
- Linux, Mac, Windows
- Command line
- Written by John Wiegley (2003)

DOUBLE ENTRY?

- All money has a source and destination account

Payee	Amount
Paycheck	+ \$100
Bought stuff	- \$20
Total	\$80

TRY THIS

Assets:Checking Account	\$100
Income:Paycheck	-\$100
Assets:Checking Account	-\$20
Expenses:Stuff	\$20
Total	\$0

THE FIVE ACCOUNTS

- Assets
- Expenses
- Income
- Liabilities
- Equity

ACCOUNTING EQUATIONS

- Net worth = Assets - Liabilities
- Net income = Income - Expenses

LEDGER TRANSACTIONS

2016/01/01 * Cash Transfer

Assets:Bank:Checking \$200

Assets:Bank:Savings -\$200

2016/01/02 * Loan Payment

Liabilities:Loans:Student Loans \$150

Assets:Bank:Checking -\$150

2016/01/03 * Thinking Cup

Expenses:Coffee Shops \$3.50

Assets:Bank:Checking

YOUR ACCOUNTS

```
ledger -f ledger.dat balance
```

\$-150.00	Assets:Bank
\$50.00	Checking
\$-200.00	Savings
\$3.50	Expenses:Coffee Shops
\$146.50	Liabilities
\$-3.50	Credit Card
\$150.00	Loans:Student Loans

0	

YOUR BANK STATEMENT

```
ledger -f ledger.dat register checking
```

16-Jan-01	Cash Transfer	Assets:Bank:Checking	\$200.00	\$200.00
16-Jan-02	Loan Payment	Assets:Bank:Checking	\$-150.00	\$50.00
16-Jan-03	Thinking Cup	Assets:Bank:Checking	\$-3.50	\$46.50

WHAT'S THE POINT?

- It's your data
- Expressive reporting capability

TIME PERIODS

```
ledger bal "Liabilities:Credit Card" --begin "last month"  
ledger reg "Expenses:Shopping" --period "last october"  
ledger reg eating -M
```

TRANSACTION PROPERTIES

```
ledger reg "Assets:Roth IRA:2015" and @Contribution  
ledger reg "Expenses" and %Gift  
ledger bal Assets Liabilities --cleared
```

LEDGER-MODE

```
(use-package ledger-mode
  :ensure t
  :init
  (setq ledger-clear-whole-transactions 1)

  :config
  (add-to-list 'evil-emacs-state-modes 'ledger-report-mode)
  :mode "\\.dat\\'")
```

THANK YOU