# Julia in Production
*A personal journey*

Avik  Sengupta

JuliaCon 2014

We recommend a SELL for ACXM at 22.5 with a take profit limit of 29.66 and cut loss level of 15.34. This recommendation is based on technical analysis of daily prices for this stock, and has an estimated holding period of 20 days.

We base our recommendation on the technical indicators Hodrick-Prescott Filter and MACD. The Price has crossed the Hodrick-Prescott filter line from above signaling that the trend is downward and likely to continue, generating a sell signal. Formation of a bearish divergence seen on the daily MACD is hinting that the uptrend may be nearly over, suggesting at a possible correction in the coming sessions.

The overall analysis indicates support for our SELL recommendation on ACXM with above mentioned risk management levels.

Why Not?

Core technical analysis algorithms written in Julia

# 3 Developers

# Remote team

# 3-4 months

# Packages

- ODBC

- Decision Tree

- Gadfly

- Call out to Java for Natural Language Generation, PDF Generation

Stable, nightly or source?

Packages – to upgrade or not to upgrade

Package backward compatibility

Travis / pkg.julialang.org

# PLEASE support last released julia version for all packages

There will be bugs

# Minimal Test Cases

# Deployment – Custom AWS image with Julia and packages.

## Code deployed via git

# Bundler for Julia?

Cron

Publication quality charts?

kmsquire/Logging.jl


forio/Lumberjack.jl

Not as risky as it sounds

But need to keep your eyes open