Why Two Sigma Contributes to Open Source

Julia Meinwald – Two Sigma Investments
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Oh, hello!

Hello
my name is

Julia
How I got here

[Image showing a phone connected to a book with the title "Producing OSS"]
Can we really do that?

secret mysteries
What do the next 12 minutes hold?

- Why is OSS scary?
- Why is OSS worth it?
- How does Two Sigma contribute?
Two Sigma and Open Source: A Brief History

- **2012**: Preliminary OSS meetings
- **2013**: Open Source Committee Established
- **2014**: Legal entity TSOS established
- **2015**: IP Steering Committee formed
- **2016**: Formal OSS approval process launched
- **2017**: Jeff Reback joins TS
- **2018**: Afshin Darian joins TS

Projects:
- Beaker open sourced
- Satellite open sourced
- Cook open sourced
- Flint open sourced
- BeakerX pivot
- Collaboration With Jupyter team
- Waiter open sourced
- Major commits to Apache Spark
- Marbles open sourced
Why Contribute?
Why Contribute?

• Leveraging other people’s work
• Shaping the ecosystem
• Avoiding isolation
• Being cool
• Building your legacy
• Making the world a better place
Leveraging Other People’s Work

- Universal conservation of energy
- Not re-inventing the wheel
- Benefit from expertise you don’t have in-house
Shape the Products/Ecosystem
Avoid Isolation
Be Cool
Build Your Legacy
A Day Without Open Source
We’re Not The Only Ones

Companies Using Linux
Public Digital Infrastructure is not Free, Nor Invulnerable

- Widely Used ≠ Widely Supported
- Infrastructure isn’t free!
- Need time and money to grow products
- New challenge

Bystander Syndrome
Forecasting the Future
We Can Affect The Future
Ways Two Sigma Is Helping

• **Open Sourcing** tools we develop in-house
• **Contributing** to OSS projects we rely on
• **Building** community
Ways Two Sigma Is Helping

- Open Sourcing tools we develop in-house

- BeakerX
- Cook
- Git-meta
- Flint
- marbles
- Waiter
Ways Two Sigma Is Helping

- Contributing to OSS projects we rely on
Ways Two Sigma Is Helping

• **Building** community

NUMFOCUS
OPEN CODE = BETTER SCIENCE
Thank You

julia.meinwald@twosigma.com

www.juliameinwald.com

@JuliaEve

twosigma.io