

# It's all about the Data!

Aggregate / Normalize / Validate / Report / Evolve

Private Wealth Systems
Charlie Brown
617-285-2880
cbrown@privatewealthsystems.com

Family Office Exchange



## Industry Trends - Speed, Power, Control!

#### UHNWI and family offices want active oversight over their wealth

- **Speed** "I want what I want when I want it." UHNWI
- **Power** "I want to see my investments differently at different times." CEO single family office
- <u>Control</u> "Give me something very powerful but simple to use." CFO single family office



# Industry Trends – Family Offices demand Speed, Power, Control!

#### All aggregators normalize transaction codes, but don't normalize investments

- 100% Total Wealth View
- Accuracy = Peace of Mind (transaction level accounting)
- Scale don't want a lot of manual work
- Grow into a system, not grow out of it (partnerships, multi-currency, support increasing complexity)
- Personalized en-mass (each family members wants to see things their way for engagement and relevance)
- Multi-channel (Gen1 wants paper reports, Gen2 wants digital control)
- Fast, actionable and relevant. Near real time up to trade +1
  - For private and public investments
- Inflection Point moving away from Excel to technology
  - Excel is flexible but lacks safeguards



### The Performance Paradox

## Performance data is readily available but often wrong

- "Thank you for getting back to me so quickly. That is exactly what we received on the investor statements – [our current system] is off by 230 bps at 13.4% ITD IRR. Good to know someone can get it right."
- "Modified Dietz [a time weighted return] and Modified IRR are an ESTIMATE of the true time weighted rate of return." Global Investment Performance Standards (GIPS)

	PRIVATE WEALTH SYSTEMS	Other Reporting Platforms	
INVESTMENT	PERFORMANCE	PERFORMANCE	
Investment #1	1.11% Verified	26.40% ! Data Error	
Investment #2	6.23 % Verified	-1.7%! Data Error	
Investment #3	15.34% Verified	1.1% ! Data Error	
Investment #4	59.42% Verified	41.33% ! Data Error	

## Reporting Industry Evolution

#### Design

#### 1st Generation – 2000 to 2010 (Pioneers)

• Focus on point solution for founding family

**Data** 

- · Data-focused, not tech-focused
- Domain Expertise in understanding the problem
- Not scalable past a few families

#### 2<sup>nd</sup> Generation – 2010 to 2014 (Tech)

- Focus on scale, technology not data
- Lacking domain expertise, believe software developers can solve problems (believe the problem is technology not data)
- Consistent material data errors that require manual intervention (offers tech scale but lacks operating scale)

#### Data + Design

#### 3<sup>rd</sup> Generation – 2015+ (Visionaries)

- Focus on Accuracy at Scale
- Personalization
- Founders understand the problem is data, but technology is required for the 'solve'
- Leading the industry from rearview, reactive analysis to forward looking prescriptive action
- Delivers speed, power, control across the full wealth spectrum (from the largest global family office to individual UHNWIs)
- Pie charts and PDFs are important but it's all about the "why"









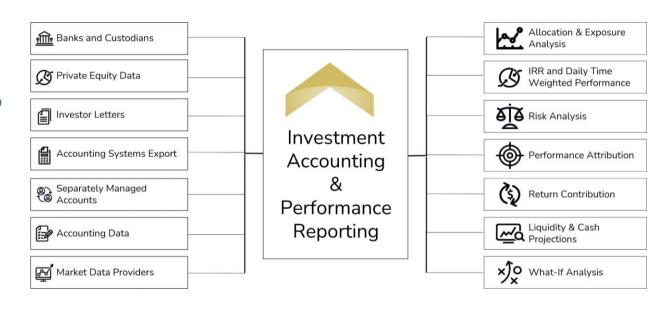




## Total Wealth View – Must be Comprehensive

#### Aggregate All Asset Classes regardless of custodian, manager, country or ownership structure

- Public Securities
- Private Investments
- Art/Collectibles
- Operating Businesses
- Loans & Notes





## Best Practice – Normalize Investments Accuracy & Scale -

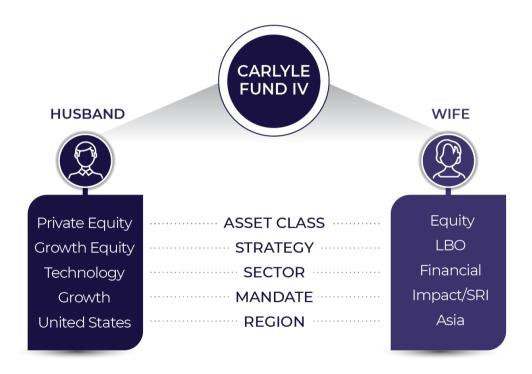
# All aggregators normalize transaction codes, but most don't normalize investments

- Normalization provides
  - One Price
  - One Corporate Action
  - The fastest processing times
  - Highest accuracy rates
  - Lowest total cost

Security Name	Data Provider	Data Provider - Identifier	Data Provider - Security ID	Other Family Office Software - Security ID	Private Wealth Systems - Security ID
Alphabet, Inc.	Northern Trust	SEDOL	BYVY8GO	BYVY8G0	3708
Alphabet, Inc.	Schwab	Schwab_Sec_ID	1090068	1090068	3708
Alphabet, Inc.	BTIG	Symbol	GOOGLE	GOOGLE	3708
Alphabet, Inc.	Citigroup	ISIN	US02079K3059	US02079K3059	3708
Alphabet, Inc.	Goldman Sachs	CUSIP	02079K305	02079K305	3708
Alphabet, Inc.	JP Morgan - Singapore	SEDOL	BYVY8G0	BYVY8G0	3708
Alphabet, Inc.	JP Morgan - Europe	ISIN	US02079K3059	US02079K3059	3708



### Best Practice - Mass Personalization

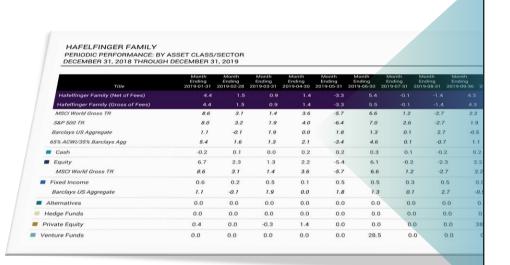




## Limitless Flexibility-Analyze what you want, how you want

#### Easily analyze: Managers, Investments, Strategies

- Varying periodicity
- Custom Groupings and Benchmarks
- Include more reports (dashboard, tax lot)
- By Asset Class / Sector / Country / Theme

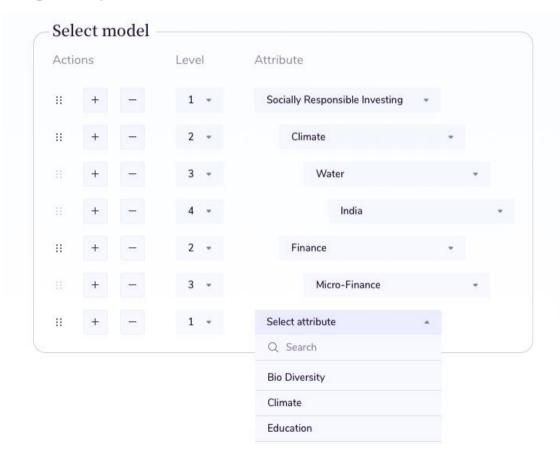


#### ANALYZE PERFORMANCE BY:

- Entity
- Account
- Security
- Manager
- Asset Class
- Sector
- Country
- > Theme
- Style
- Strategy
- Custom Grouping
- Custom Benchmarks
- Net/Gross of Fees
- Daily
- Weekly
- Monthly
- > YTD, MTD, QTD, 1Yr, 3Yr, Inception

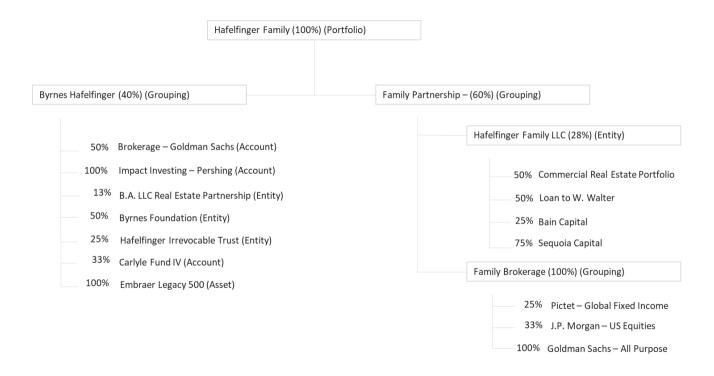


## **ESG Defining Impact**



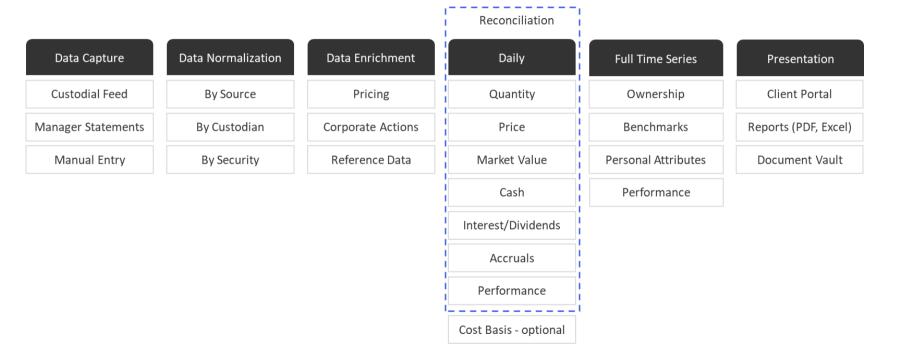


## Supporting Complex ownership structures





## Data Data everywhere ...





## It's all about the Data!

Aggregate / Normalize / Validate / Report / Evolve

Private Wealth Systems
Charlie Brown
617-285-2880
cbrown@privatewealthsystems.com

Family Office Exchange