# Conventions

- Current\_date = 30 September 2025.
- Snapshot\_start\_date = 30 September 2024.

# household (SCD2)

Grain: one row per Household\_key.

### **Columns**

- Household\_key (surrogate SCD2 key)
- Household\_id (natural/business id starts at 1 and increments by 1). Target count of household\_id: 45,000.
- household\_tenure (integer). Years of tenure. Sample uniformly at random from 1 to 40.
- household\_registration\_type (text: 'Individual','Joint','Trust','Institutional'). Target distribution: Individual 64%, Joint 22%, Trust 9%, Institutional 5%.
- household\_registration\_date (date). Current\_date − household\_tenure ± U(−180, +180) days.
- household\_segment (text: 'Self-Directed','Advice-Seeking','Discretionary
   Managed','Retirement Income','Business/Institutional','Active Trader'). Target distribution:
   Self-Directed 15%, Advice-Seeking 25%, Discretionary Managed 30%, Retirement Income
   15%, Business/Institutional 10%, Active Trader 5%.
- household\_status (text: 'Active', 'Terminated'). Target distribution: Active 90%, Terminated
   10%
- household\_advisor\_id (fk → advisors.advisor\_id). Sample uniformly at random one advisor\_id.
- from\_date (date). Defines SCD type 2 window (inclusive).
- to\_date (date). Defines SCD type 2 window (exclusive). ~12% switch to
  household\_status='Terminated' within last 3 months from Current\_date. Emit prior row with
  to\_date = change\_date; new row with from\_date = change\_date, to\_date = '9999-12-31'.

### Indexes / guards

CREATE UNIQUE INDEX ux\_household\_current ON household(household\_id)

WHERE to\_date = DATE '9999-12-31';

CREATE INDEX ix\_household\_id\_window ON household(household\_id, from\_date, to\_date);

# advisors (SCD2)

Grain: one row per advisor advisor key.

#### **Columns**

- advisor\_key (surrogate SCD2 key)
- advisor\_id (natural/business id starts at 1 and increments by 1). Target count of advisor\_id: 500.
- advisor\_tenure (integer). Years of tenure. Sampled uniformly at random from 1 to 40.
- firm\_name (text). generate fake names ending with LLC; patterns like: [Summit|Harbor|Granite|Cedar|Crescent|Atlas|Pioneer|Ridge|Oak|River] [Capital|Advisors|Partners|Wealth|Financial] LLC.
- firm\_affiliation\_model (text: 'RIA','Hybrid RIA','Broker-Dealer W-2','Independent BD','Bank/Trust','Insurance BD','Wirehouse'). Target distribution: RIA 35%, Hybrid RIA 20%, Independent BD 18%, Broker-Dealer W-2 12%, Wirehouse 7%, Bank/Trust 5%, Insurance BD 3%
- advisor\_role (text: 'Lead Advisor', 'Associate Advisor', 'Relationship Manager', 'Portfolio Manager', 'Client Service Associate'). Target distribution: Lead Advisor 45%, Associate Advisor 20%, Relationship Manager 15%, Portfolio Manager 10%, Client Service Associate 10%.
- advisor status (text: 'Active', 'Terminated'). Target distribution: Active 92%, Terminated 8%.
- practice\_segment (text: 'Solo Practice','Small Team','Ensemble','Enterprise'). Target distribution: Solo Practice 22%, Small Team 36%, Ensemble 28%, Enterprise 14%.
- from\_date (date). Defines SCD type 2 window (inclusive).
- to\_date (date default '9999-12-31'). Defines SCD type 2 window (exclusive). ~10% receive advisor\_status change = 'Terminated' in last 24 months). Emit prior row with to\_date = change\_date; new row with from\_date = change\_date, to\_date = '9999-12-31'.

#### Indexes / guards

```
CREATE UNIQUE INDEX ux_advisors_current ON advisors(advisor_id)

WHERE to_date = DATE '9999-12-31';

CREATE INDEX ix_advisor_id_window ON advisors(advisor_id, from_date, to_date);
```

# business\_line

Grain: one row per business line key.

#### **Columns**

- business\_line\_key (surrogate key)
- business\_line\_name (text:'Managed Portfolio',Separately Managed Account,'Mutual Fund Wrap','Annuity','Cash')

# account (SCD2)

Grain: one row per account account\_key.

#### **Columns**

- account\_key (surrogate SCD2 key)
- account\_id (natural/business id starts at 1 and increments by 1). Target count of account\_id:
   72,000.
- advisor\_key (fk → advisors.advisor\_key). Accounts per advisor: min 15; median 145; max 400. Sampled uniformly at random.
- household\_key. Lookup household\_id from table households based on household\_advisor\_id.
- business\_line\_key. % of accounts by business line: Managed Portfolio 45%, Separately Managed Account 18%, Mutual Fund Wrap 25%, Annuity 6%, Cash 6%.
- account\_type (text: 'Taxable','IRA','401k','Trust','Custody'). Target distribution: Taxable 55%, IRA 22%, 401k 10%, Trust 10%, Custody 3%.
- account\_custodian (text: 'Schwab', 'Fidelity', 'Pershing', 'In-House', 'BankTrust'). Target distribution: Schwab 45%, Fidelity 30%, Pershing 15%, BankTrust 6%, In-House 4%.
- opened\_date (date). Between household\_registration\_date and current\_date.
- account\_status (text: 'Open','Closed'). Target distribution: Open 88%, Closed 12%.
- closed\_date (date, nullable). If account\_status is Closed, set closed\_date > opened\_date.If
  account\_status is Open, closed\_date is null.
- account\_risk\_profile (text: 'Conservative', 'Moderate', 'Aggressive'). Sample uniformly at random.
- from\_date (date)
- to\_date (date).Defines SCD type 2 window (exclusive). When account\_status changes, emit prior row with to\_date = change\_date; new row with from\_date = change\_date, to\_date = '9999-12-31'.

# Indexes / guards

```
CREATE UNIQUE INDEX ux_accounts_current ON accounts(account_id)

WHERE to_date = DATE '9999-12-31';

CREATE INDEX ix_account_id_window ON accounts(account_id, from_date, to_date);

CREATE INDEX ix_accounts_household ON accounts(household_id);

CREATE INDEX ix_accounts_advisor ON accounts(advisor_id);
```

# product

Grain: one row per product\_id.

#### **Columns**

- product\_id (natural/business id starts at 1 and increments by 1). Target count of product\_id: 350.
- asset\_category (text: 'Equity','Fixed Income','Multi-Asset','Cash'). % of product\_id by asset\_category: Equity 50%, Fixed Income 35%, Multi-Asset 12%, Cash 3%.
- asset\_subcategory (text: 'Common stock', 'Preferred Stock', 'Equity Mutual Fund', 'Balanced Fund (60/40)', 'Target-Date Fund', 'U.S. Treasury Bill', 'U.S. Treasury Note', 'Investment-Grade Corporate Bond', 'Municipal Bond','Money Market Fund'). % of product\_id by asset\_subcategory: Common Stock 20%, Preferred Stock 5%, Equity Mutual Fund 25%, Balanced Fund (60/40) 7%, Target-Date Fund 5%, U.S. Treasury Bill 4%, U.S. Treasury Note 7%, Investment-Grade Corporate Bond 12%, Municipal Bond 12%, Money Market Fund 3%.
- product\_line (text: Mutual Fund, ETF, Separately Managed Account Strategy, Annuity Contract, Money Market). % of product\_id by product\_line: 40% Mutual Fund, 25% ETF, 20% SMA Strategy, 10% Annuity Contract, 5% Money Market.
- product name (text).

# tier fee

#### **Columns**

- Business\_line\_key.
- tier\_min\_aum.
- tier\_max\_aum.
- tier\_fee [%].

Values by business line:

# Managed Portfolio

- $\$0 \$1M \rightarrow 90 \text{ bps}$
- $$1M $5M \rightarrow 75 \text{ bps}$
- $\$5M+ \rightarrow 55 \text{ bps}$

Separately Managed Account (SMA)

- $\$0 \$1M \rightarrow 110 \text{ bps}$
- $$1M $5M \rightarrow 90 \text{ bps}$
- $$5M+ \rightarrow 70 \text{ bps.}$

### Mutual Fund Wrap

- $\$0 \$1M \rightarrow 75 \text{ bps}$
- $$1M $5M \rightarrow 60 \text{ bps}$
- \$5M+  $\rightarrow$  45 bps.

#### Annuity

•  $$0+ \rightarrow 25 \text{ bps}$ 

Cash (sweep programs are low and often flat/near-flat)

- $\$0 \$1M \to 10 \text{ bps}$
- $$1M+ \rightarrow 5 bps$

# advisor\_payout\_rate

- firm\_affiliation\_model. List all distinct firm\_affiliation\_models.
- advisor\_payout\_rate. Values by firm\_affiliation\_model: RIA: 78%, Hybrid RIA 70%, Independent BD 85%, Broker-Dealer W-2 45%, Wirehouse 42%, Bank/Trust 35%, Insurance BD 75%.

# fact\_account\_initial\_assets

- account\_key. (fk → account.account\_key). All accounts opened at snapshot\_date.
- account\_initial\_assets:
  - If account\_type is Taxable, normal sampling with median \$120k, minimum \$10k, standard deviation \$60k.
  - If account\_type is IRA, normal sampling with median \$150k, minimum \$5k, standard deviation \$75k.
  - If account\_type is 401k, normal sampling with median \$80k, minimum \$2k, standard deviation \$40k.
  - If account\_type is Trust, normal sampling with median \$400k, minimum \$100k, standard deviation \$250k.
  - If account\_type is Custody, normal sampling with median \$600k, minimum \$250k, standard deviation \$400k.

# fact account monthly

This table should be generated by looping through dates first.

- snapshot\_date (date). EOM dates between snapshot\_start\_date and current\_date.
- ullet account\_key (fk o account.account\_key). All accounts opened at snapshot\_date.
- account monthly return (%). See below calculation method.
- account net flow. See below calculation method.
- account\_assets\_previous\_month. If snapshot\_date is snapshot\_start\_date, equals
  account\_initial\_assets (retrieved from table fact\_account\_initial\_assets by joining on
  account\_key). If snapshot\_date is greater than snapshot\_start\_date, it is equal to
  account\_assets at previous snapshot\_date for the same account\_id.
- account\_assets. Equals to account\_assets\_previous\_month x (1+ account\_monthly\_return) + account\_net\_flow.
- advisor\_key. Retrieved via table account -> advisor\_key.
- household\_key. Retrieved via table account -> household\_key.
- business\_line\_key. Retrieved via table account -> business\_line\_key.

### How to calculate account\_monthly\_return

- If snapshot\_date is snapshot\_start\_date, account\_monthly\_return is 0%.
- If snapshot\_date is greater than snapshot\_start\_date:

account\_monthly\_return [%] = base\_return[%] + noise [%]. Limited at +/- 12%.

Base return [%] =

- If account\_risk\_profile is Conservative, normal sampling with median 0.30% and standard deviation 1.0%.
- If account\_risk\_profile is Moderate, normal sampling with median 0.55% and standard deviation 2.0%.
- If account\_risk\_profile is Aggressive, normal sampling with median 0.80% and standard deviation 3.5%.

Noise [%] = Normal sampling with median 0.25% and standard deviation 0.2%. minimum -0.5%, maximum 0.5%.

#### How to calculate account net flow

account\_net\_flow = percentage[%] \* account\_assets\_previous\_month.

#### Percentage[%] is:

- If account type is 401k, normal sampling with median 0.7% and standard deviation 0.3%.
- If account\_type is IRA, normal sampling with median 0.2% and standard deviation 0.4%.
- If account\_type is Taxable, normal sampling with median 0.05% and standard deviation 0.8%.
- If account type is Trust, normal sampling with median -0.25% and standard deviation 0.35%.
- If account\_type is Custody, normal sampling with median 0% and standard deviation 6%.

# fact account product monthly

(distinct pairs of snapshot date and account key taken from fact account monthly).

- snapshot\_date (date). EOM dates between snapshot\_start\_date and current\_date.
- account\_key (fk → account.account\_key). All accounts opened at snapshot\_date.
- Product\_id. See below calculation method.
- product\_allocation\_pct. See below calculation method.

#### How to calculate product id and product allocation pct:

Step 1: For every distinct account\_key, determine k as the number of products per account. To do so, sample uniformly at random k between 2 and 5.

Step 2: Determine business\_line for the account (retrieve business\_line\_name from business\_line\_table via business\_line\_key).

Step 3: For every account\_key, loop from 1 to k and based on the business line, draw an asset\_category from a categorical distribution with probabilities given by these business-line weights:

- For business line "Managed Portfolio": Equity 45%, Fixed Income 35%, Multi-Asset 18%, Cash
   2%
- For business line "Separately Managed Account Strategy": Equity 65%, Fixed Income 20%, Multi-Asset 13%, Cash 2%
- For business line "Mutual Fund Wrap": Equity 55%, Fixed Income 30%, Multi-Asset 13%, Cash 2%
- For business line "Annuity Program": Multi-Asset 70%, Fixed Income 30%, Equity 0%, Cash 0%
- For the business line "Cash Program": Cash 100%.

Step 4: Once the business line is sampled, sample uniformly at random one product\_id from this category, using the product table.

Step 5: Sample a random weight (product\_allocation\_pct) to this product\_id from 20 to 100. If the product\_id is the last one, calculate the product\_allocation\_pct as being 100 minus the sum of product\_allocation\_pct for the rest of products in the same account\_key.

# fact\_household\_monthly

(fact\_account\_monthly grouped by snapshot\_date, household\_key)

- snapshot date. All values from fact account monthly.
- household\_key. All values from fact\_account\_monthly.
- household\_assets. Sum of account\_assets.
- Asset\_range\_bucket (text). Depending on household\_assets:
  - \$0 **-** \$100k
  - o \$100k \$250k
  - o \$250k \$500k
  - \$500k \$1M
  - \$1 **-** \$5M
  - \$5M **-** \$10M
  - o \$10M+
- high\_net\_worth\_flag. If household\_assets >= \$1M, set true otherwise false.
- household\_net\_flow. Sum of account\_net\_flow.

# fact revenue monthly

Based on fact\_account\_monthly.

snapshot\_date (date). 1:1 from fact\_account\_monthly.

- account\_key. 1:1 from fact\_account\_monthly.
- advisor\_key. 1:1 from fact\_account\_monthly.
- household\_key. 1:1 from fact\_account\_monthly.
- business\_line\_key. 1:1 from fact\_account\_monthly.
- account\_assets.1:1 from fact\_account\_monthly.
- fee\_percentage. Retrieve tier\_fee column from table tier\_fee by joining on business\_line\_key and tier\_min\_aum <= account\_assets <= tier\_max\_aum.
- gross\_fee\_amount = account\_assets x fee\_percentage.
- third\_party\_fee. See below calculation method.
- advisor\_payout\_rate. Retrieve advisor\_payout\_rate column from table advisor\_payout\_rate by joining on firm\_affiliation\_model using advisor table.
- advisor\_payout\_amount = (gross\_fee\_amount third\_party\_fee) x advisor\_payout\_rate.
- net\_revenue = gross\_fee\_amount third\_party\_fee advisor\_payout\_amount.

## How to calculate third party fee

third\_part\_fee = percentage[%] \* gross\_fee\_amount.

Percentage[%] is sampled normally with a median of 10% and a standard deviation of 5%.

# transactions

many millions of rows (needs to prove query optimization, filtering capacities).

- transaction\_id,
- advisor key,
- account\_key,
- household key,
- business\_line\_key,
- product\_id,
- transaction\_date,
- gross\_revenue,
- revenue\_fee,
- third\_party\_fee,
- transaction\_type (deposit/withdrawal/fee)

# fact\_customer\_feedback

Grain: one feedback per (household, advisor, date).

### **Columns**

- feedback\_date (date). Date range is maximum the current\_date and minimum Jauary 1st in the year before current\_date. In this date interval range, sample one date randomly.
- feedback\_id (natural/business id starts at 1 and increments by 1). Target count: 1k feedback\_id per month.
- household\_key (fk → household\_key). Randomly sampled household\_key where household\_status = 'Active' and household.from\_date >= feedback\_date.
- advisor\_key (fk → advisors.advisor\_key). 1) Retrieve primary\_advisor\_id from household table; 2) retrieve advisor\_key from advisor table joining on primary\_advisor\_id <-> advisor\_id where advisor.from\_date <= feedback\_date < advisor.to\_date.</li>
- feedback text (text; ≤ 200 chars / ≤ 2 sentences). Make them up.
- satisfaction\_score (integer 0–100). Sampled normally with a median of 90.

#### Indexes:

```
CREATE INDEX ix_fb_house_date ON customer_feedback(household_key, feedback_date);

CREATE INDEX ix_fb_adv_date ON customer_feedback(advisor_key, feedback_date);
```

# date

Grain: one row per calendar day (≥ last 10y + next 2y).

#### **Columns**

- calendar\_day (date, pk)
- month\_name (text). Derived from calendar\_day.
- month (int). Derived from calendar\_day.
- day\_of\_month (int). Derived from calendar\_day.
- month\_start\_date (date). Derived from calendar\_day.
- month\_end\_date (date). Derived from calendar\_day.
- quarter (int). Derived from calendar\_day.
- quarter\_name (text). Derived from calendar\_day.
- quarter\_start\_date (date). Derived from calendar\_day.
- quarter\_end\_date (date). Derived from calendar\_day.
- year (int). Derived from calendar\_day.
- is\_weekend (boolean). Derived from calendar\_day.

# Data Integrity checks

Table: household

Primary Key & Uniqueness

- Check 1.1: No duplicated household\_key values
- Check 1.2: Exactly one record per household id where to date = '9999-12-31'
- Check 1.3: Target count: Exactly 45,000 distinct household\_id values

#### **Date Integrity**

- Check 1.4: No conflicting dates: from\_date < to\_date for all records
- **Check 1.5**: No gaps in SCD2 history: For each household\_id, next record's from\_date = previous record's to\_date
- Check 1.6: household\_registration\_date should align with tenure calculation: household\_registration\_date ≈ current\_date (household\_tenure \* 365) ± 180 days

### Referential Integrity

- Check 1.7: All household\_advisor\_id exist in advisors.advisor\_id
- Check 1.8: Referenced advisor must be active at time of household registration

#### **Business Rules**

- Check 1.9: household\_tenure is between 1 and 40 years
- Check 1.10: Terminated households should have to\_date != '9999-12-31'

#### **Table: advisors**

### Primary Key & Uniqueness

- Check 2.1: No duplicated advisor\_key values
- Check 2.2: Exactly one record per advisor\_id where to\_date = '9999-12-31'
- Check 2.3: Target count: Exactly 500 distinct advisor\_id values

# **Date Integrity**

- Check 2.4: No conflicting dates: from\_date < to\_date for all records
- Check 2.5: No gaps in SCD2 history: For each advisor\_id, next record's from\_date = previous record's to\_date

#### **Business Rules**

- Check 2.6: advisor\_tenure is between 1 and 40 years
- Check 2.7: Terminated advisors should have to\_date != '9999-12-31'

# **Table: account**

### Primary Key & Uniqueness

- Check 3.1: No duplicated account\_key values
- Check 3.2: Exactly one record per account\_id where to\_date = '9999-12-31'

• Check 3.3: Target count: Exactly 72,000 distinct account\_id values

### **Date Integrity**

- Check 3.4: No conflicting dates: from\_date < to\_date for all records
- Check 3.5: No gaps in SCD2 history: For each account\_id, next record's from\_date = previous record's to date
- Check 3.6: opened\_date is between corresponding household\_registration\_date and current\_date
- Check 3.7: All closed accounts have closed\_date > opened\_date
- Check 3.8: Open accounts have closed\_date IS NULL
- Check 3.9: Closed accounts have closed\_date IS NOT NULL

## **Referential Integrity**

- Check 3.10: All advisor\_key exist in advisors.advisor\_key
- Check 3.11: All household\_key exist in household.household\_key
- Check 3.12: All business\_line\_key exist in business\_line.business\_line\_key
- Check 3.13: Referenced advisor must be active during account lifetime
- Check 3.14: Referenced household must be active during account lifetime

#### **Business Rules**

• Check 3.15: Accounts per advisor: min 15, max 400

### **Table: product**

### Primary Key & Uniqueness

- Check 4.1: No duplicated product\_id values
- Check 4.2: Target count: Exactly 350 distinct product\_id values

#### **Business Rules**

• Check 4.6: product\_name is not null and not empty

# Table: advisor\_payout\_rate

# **Primary Key & Completeness**

• Check 6.1: All firm\_affiliation\_model values from advisors table exist

### Table: fact\_account\_initial\_assets

#### Referential Integrity

- Check 7.1: All account\_key exist in account.account\_key
- Check 7.2: Only accounts opened at snapshot\_start\_date should be included

#### **Business Rules**

- Check 7.3: account\_initial\_assets are positive (> 0)
- Check 7.4: No account should exceed \$20M in initial assets

### Table: fact\_account\_monthly

#### **Date Integrity**

- Check 8.1: Exactly 12 distinct snapshot\_date values (end-of-month dates)
- Check 8.2: First snapshot\_date = snapshot\_start\_date, last snapshot\_date = current\_date

### Referential Integrity

- Check 8.4: All account\_key exist in account.account\_key
- Check 8.5: All advisor\_key exist in advisors.advisor\_key
- Check 8.6: All household\_key exist in household.household\_key
- Check 8.7: All business line key exist in business line.business line key

## **Account Coverage**

- Check 8.8: All accounts with opened\_date <= snapshot\_date and (closed\_date > snapshot\_date OR closed\_date IS NULL) are included
- Check 8.9: No accounts with closed\_date <= snapshot\_date are included

### **Business Rules**

- Check 8.10: account\_monthly\_return is between -12% and +12%
- Check 8.11: For snapshot date = snapshot start date, account monthly return = 0%
- Check 8.12: account net flow is no more than 30% of account assets previous month
- Check 8.13: account\_assets is positive and ≤ \$20M
- **Check 8.14**: Asset calculation validation: account\_assets = account\_assets\_previous\_month \* (1 + account\_monthly\_return) + account\_net\_flow
- **Check 8.15**: For first month, account\_assets\_previous\_month matches fact account initial assets.account initial assets
- **Check 8.16**: For subsequent months, account\_assets\_previous\_month matches previous month's account\_assets

# Table: fact\_account\_product\_monthly

### Referential Integrity

- Check 9.1: All (snapshot\_date, account\_key) combinations exist in fact\_account\_monthly
- Check 9.2: All product\_id exist in product.product\_id

#### **Business Rules**

- Check 9.3: Sum of product\_allocation\_pct per (snapshot\_date, account\_key) equals 100%
- Check 9.4: Each account has between 2 and 5 products
- Check 9.5: product\_allocation\_pct is between 0 and 100

#### Table: fact household monthly

### Referential Integrity

- **Check 10.1**: All (snapshot\_date, household\_key) combinations derived from fact account monthly
- Check 10.2: All household\_key exist in household.household\_key

#### **Business Rules**

- Check 10.3: household\_assets = sum of account\_assets for all household accounts
- Check 10.4: household\_net\_flow = sum of account\_net\_flow for all household accounts
- Check 10.5: high\_net\_worth\_flag is TRUE if and only if household\_assets >= \$1M
- Check 10.7: No households with high\_net\_worth\_flag = FALSE have household\_assets >= \$1M

### Table: fact\_revenue\_monthly

# **Referential Integrity**

- Check 11.1: All records match fact\_account\_monthly 1:1
- Check 11.2: All foreign keys match corresponding values in fact account monthly

### **Business Rules**

- Check 11.3: gross fee amount = account assets \* fee percentage
- Check 11.4: advisor\_payout\_amount = (gross\_fee\_amount third\_party\_fee) \*
   advisor\_payout\_rate
- Check 11.5: net\_revenue = gross\_fee\_amount third\_party\_fee advisor\_payout\_amount
- Check 11.6: All monetary amounts are non-negative
- Check 11.7: net\_revenue should be positive

# Table: fact\_customer\_feedback

# Referential Integrity

- Check 13.1: All household\_key exist in household.household\_key
- Check 13.2: All advisor\_key exist in advisors.advisor\_key
- Check 13.3: Referenced household must have household status = 'Active'
- Check 13.4: Referenced advisor must be active during feedback period

#### **Business Rules**

- Check 13.5: feedback\_date is between January 1st of previous year and current\_date
- Check 13.6: satisfaction\_score is between 0 and 100

# List of questions

- What was our net inflow of client assets this month, and how does it compare to the same month last year?
- Which top 20 clients had the largest withdrawals in the past 7 days?
- What's our YTD fee revenue by product line, and which products are growing fastest vs. last quarter?
- How much month-to-date fee revenue have we generated, and how does it compare to the same period last month?
- Which advisors brought in the most net new AUM in the past 30 days?
- How many high-net-worth clients do we have right now, and what's their total AUM?
- Which product lines contributed the most to net new AUM this quarter, and where are we seeing declines?
- Which client segments have the highest churn rate over the past 6 months?
- Exposure check (policy-light): Which clients have >70% of AUM in a single product or in cash?
- Which client segments have the highest churn rate over the past 6 months?
- Which advisors show warning signals: ≥2 low-satisfaction feedbacks (≤60) in the last 90 days
   AND net outflows over the last 30 days?
- Which business segment is responsible for most revenue?
- Which segments have the most room to grow?
- From a production or asset level perspective, which segments are the most critical? (if we wanted to grow the business as quickly as possible, which segments we should prioritize and why?) Because if we look in the AFP report, we see that Enterprise are a small % of firms as a number, but they make up a quarter of revenue so if we can have more.
- For this firm or advisor, was was their EOM asset value and affiliation credit? So they see these things together. Broken by business line. How much of that was mutual fund data / cash equivalent?
- What helps an advisor makes more revenue? Is it product? Is it business lines? Types of accounts? Are they IRAs, 401ks?

• What is that we can tell advisors: if you do this, you generate more revenue?