# **Total Market Data for Client and Datacenter**

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### A bit about us...

## AMDI Market & Account Intelligence

The Market and Account Intelligence team compiles third-party market data to aid in the planning and execution of AMD's businesses.

The market data, as well as the resulting market forecasts produced by the team, provides information at a very granular level – by account, by region, by application, and more. This data is available for use by everyone at AMD.



## AMDE X & KNIME

AMD has adopted KNIME as its de-facto processing tool for TAMs since 2015.

This presentation touches on two of the detailed market datasets produced in KNIME.

### What is Total Market Data?

Total Available Market or Total Addressable Market



Bigger TAM => Bigger PIE Smaller TAM => Smaller PIE

Bigger piece of the pie means a larger share of the TAM.



#### TAM is...

...stored historically and forecasted into the next 3-5 years

...sliced/layered by multiple different categories, geographies, accounts, applications, depending on the focus of the business.

...very critical to get right - BUSINESS PLANS, TARGETS and GTM strategies depend on the correct interpretation of TAM



21 Dec 2023

Global PC Shipments Forecast to Recover in 2024 After Unprecedented Slump in PC Demand, According to IDC Al-capable PCs forecast to make up 40% of global PC shipments in 2025

Monday, 18 March 2024

Server Market Will Be Worth \$195.6 billion in 2027: Omdia's Data Center Server Tracker

Worldwide Server Market Spending with a 10.5% growth in 2023 while expected to Continue with a CAGR of 11.4% in a Five-Year Period, according to IDC.

## 3<sup>rd</sup> Party

**Data-Sources** for TAM are value-chain specific



Different points in value-chain

Different Sources

Different Granularity

Different **TAM Sizes** 



**Distribution** 

Reseller

**System** 

Builder

#### Standardized Process Framework for TAMs



Raw Data Load



Build Data Set



Run Forecasting Algorithm



Review & Adjust







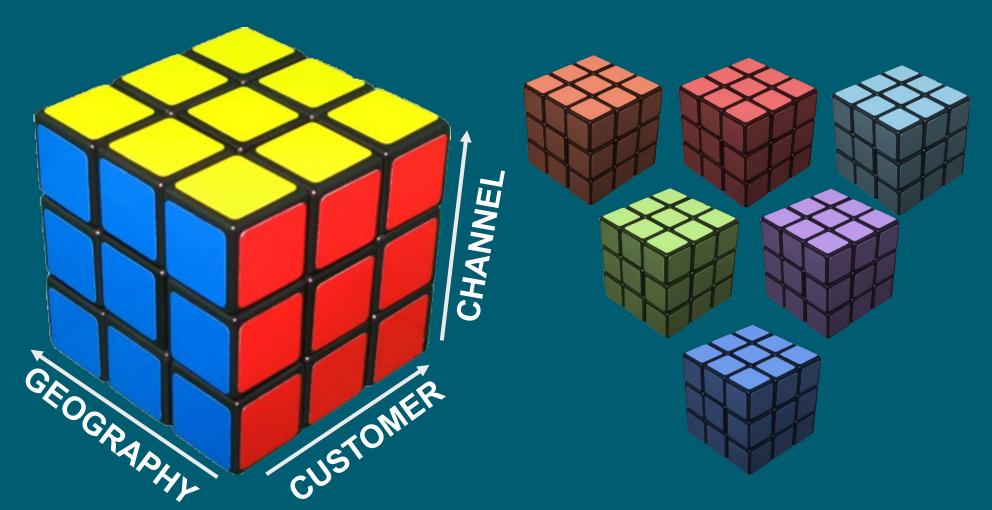




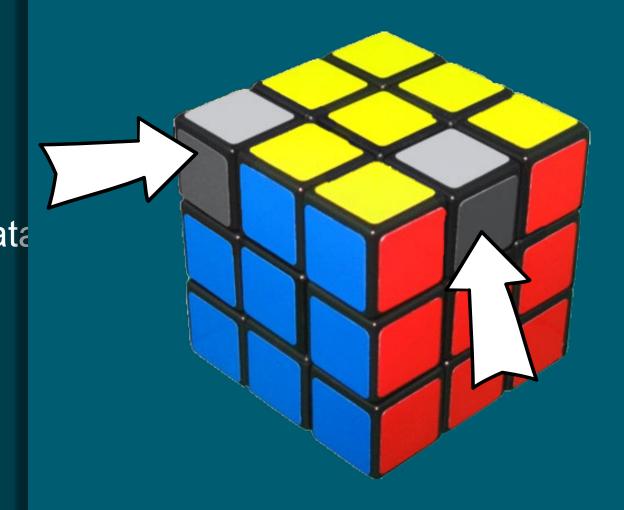


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## Raw Data (Multiple data sources)



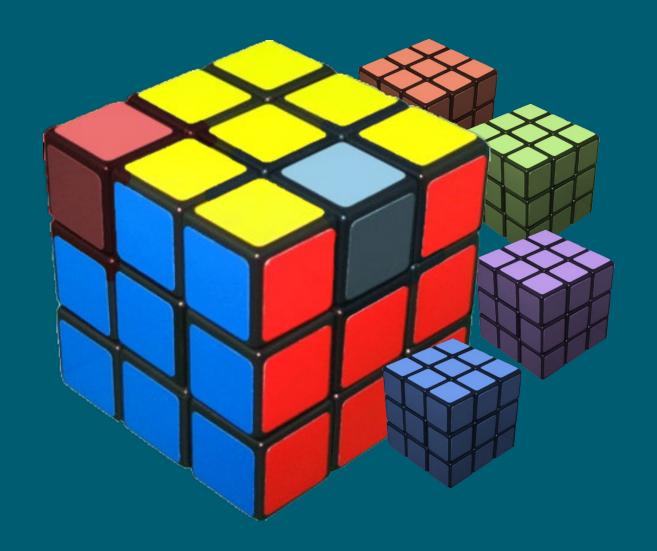
Each dataset is multi-dimensional (n) and has different attributes/feature-sets and are to be included together.



In some cases, base data is also incoherent/insufficient to capture actual TAM and hence needs to be "sanitized" with the help of additional data sources.



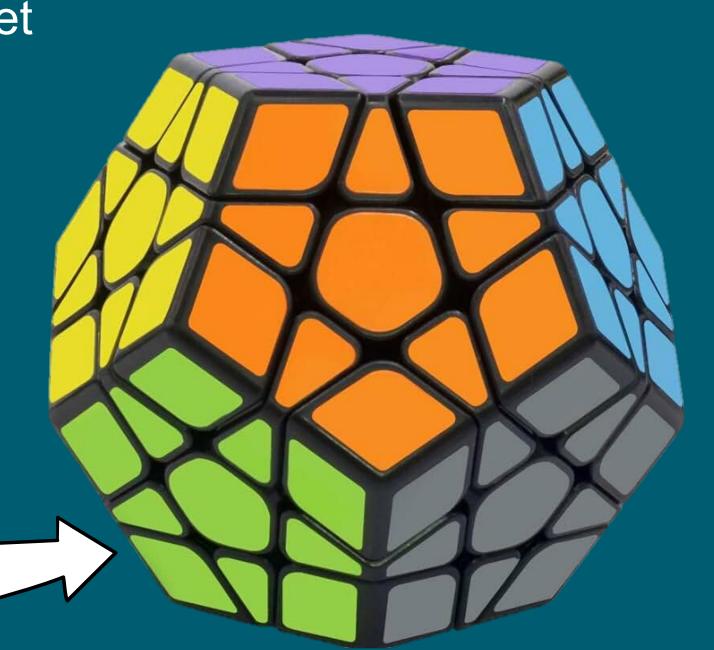




The datasets from various sources are then combined to form a "MASTER" internal data set which is then used as the "base" of the TAM process.



Stewarded 'Megaminx' Data Set



#### **Case Study 1: Sell-Through Client Systems**



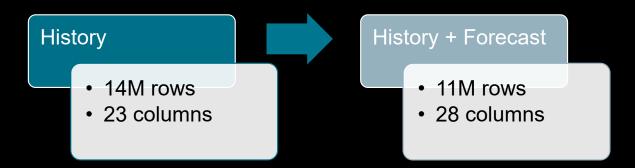
Produced: Quarterly



Number of discrete datasets combined: 8 historical, 1 forecast



Time period produced: 2019 – 2023 history, 2024-2027 forecast



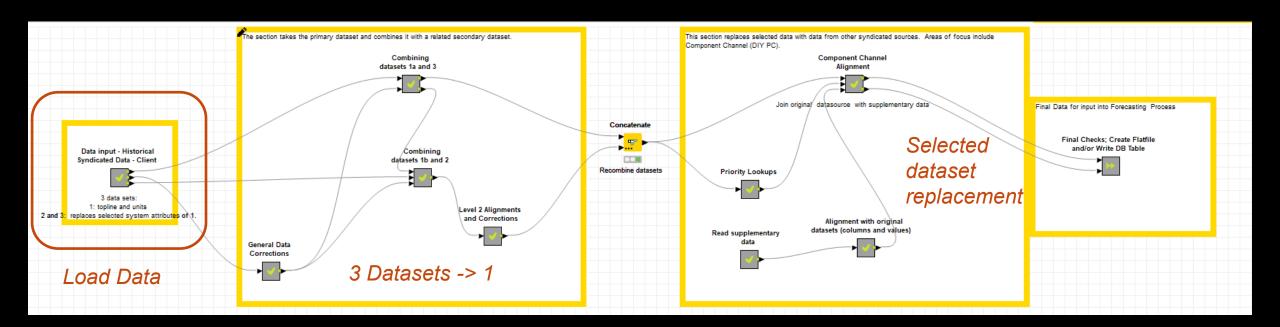
#### Workflow for Sell-Through Client Systems Historical Dataset

Raw Data Load

**Build Data Set** 

Run Forecasting Algorithm

Review & Adjust



#### Case Study 2: Sell-Through Datacenter CPUs and Systems



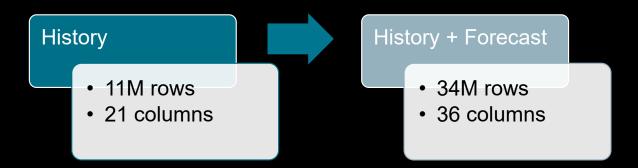
Produced: Quarterly



Number of discrete datasets combined: 6 historical, 2 forecasts



Time period produced: 2019 – 2023 history, 2024-2027 forecast



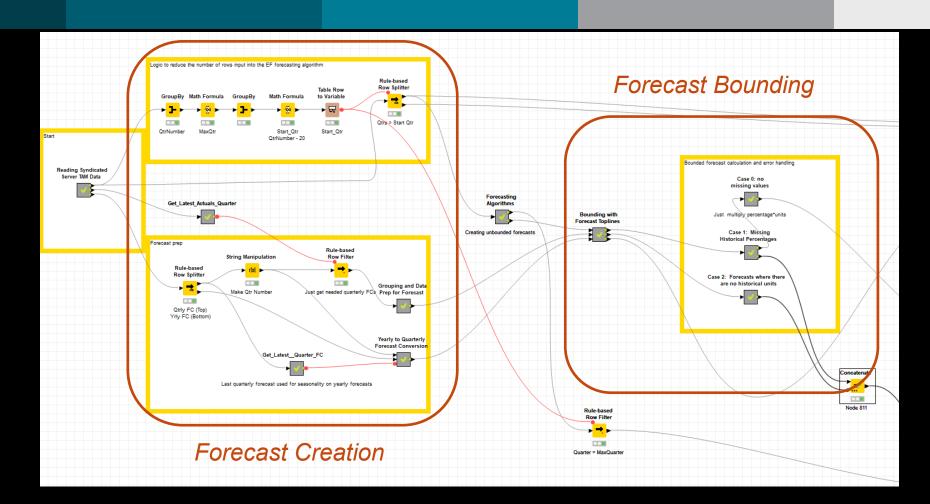
#### **Workflow for Sell-Through Datacenter Forecast – Part 1**

Raw Data Load

**Build Data Set** 

Run Forecasting Algorithm

Review & Adjust



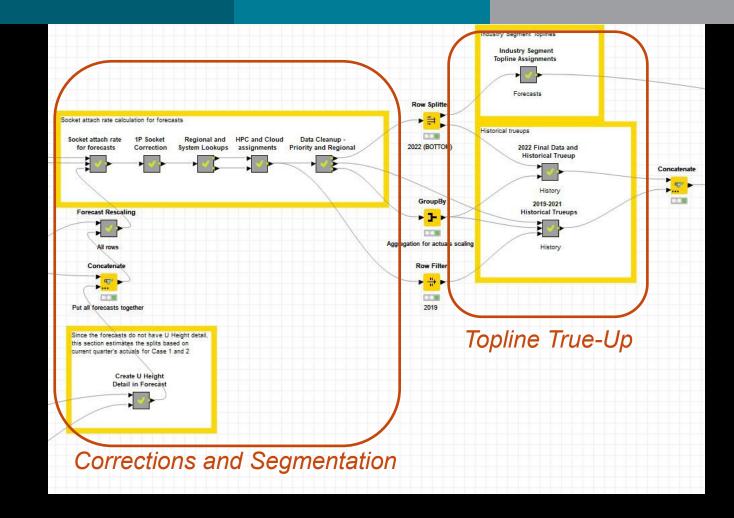
#### **Workflow for Sell-Through Datacenter Forecast – Part 2**

Raw Data Load

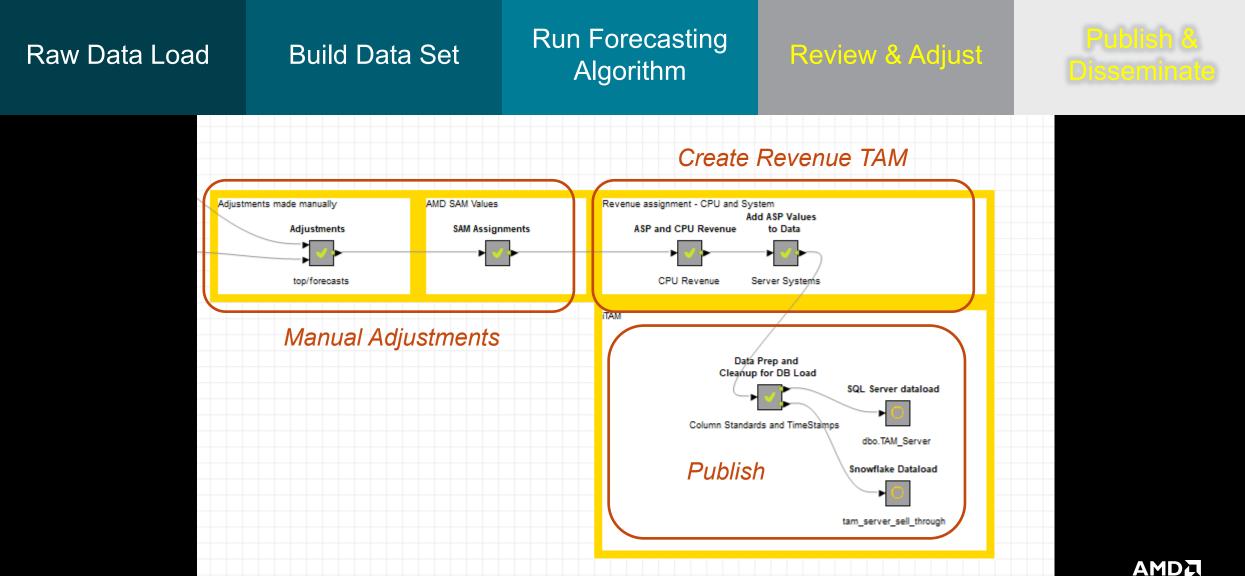
**Build Data Set** 

Run Forecasting Algorithm

Review & Adjust



#### Workflow for Sell-Through Datacenter Forecast – Part 3



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