

# Introduction to decomposition trees

TREND ANALYSIS IN POWER BI



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# What is a decomposition tree?

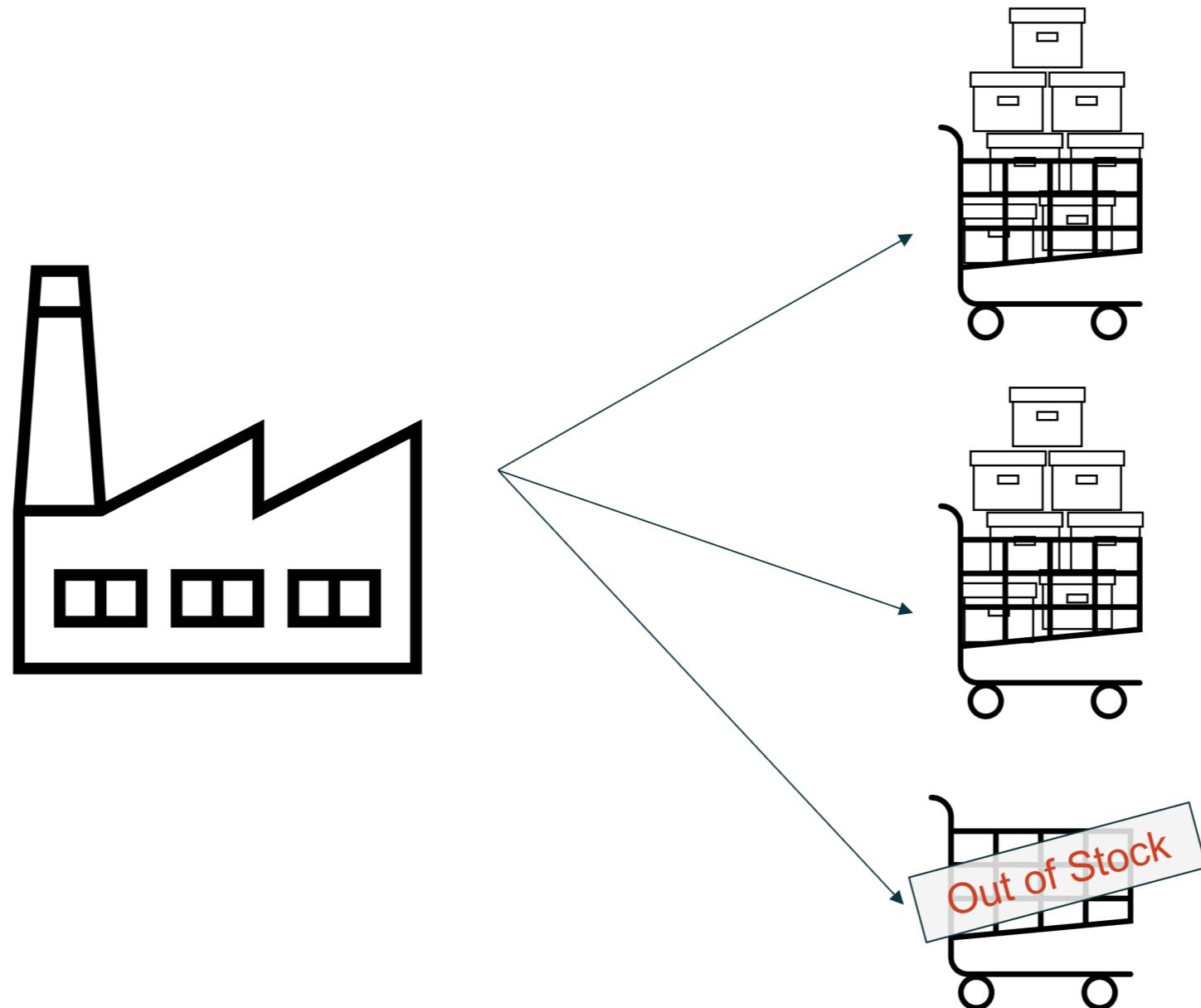
## Definition:

A method for breaking down a target variable by multiple dimensions or variables to determine resulting influence.

## Use Cases:

- Ad hoc exploration
- Root cause analysis
- Identifying influential variables

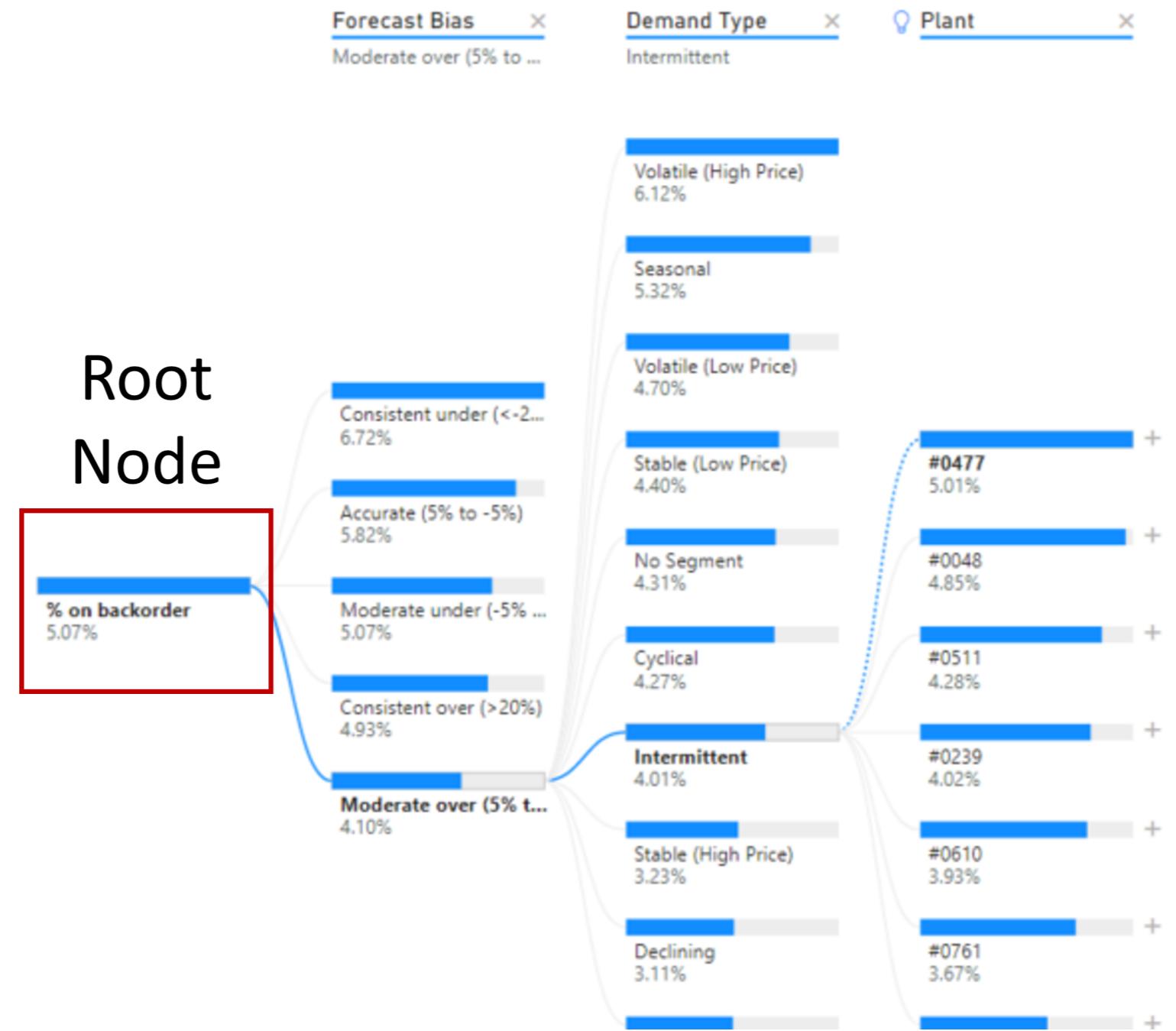
# Structure of a decomposition tree



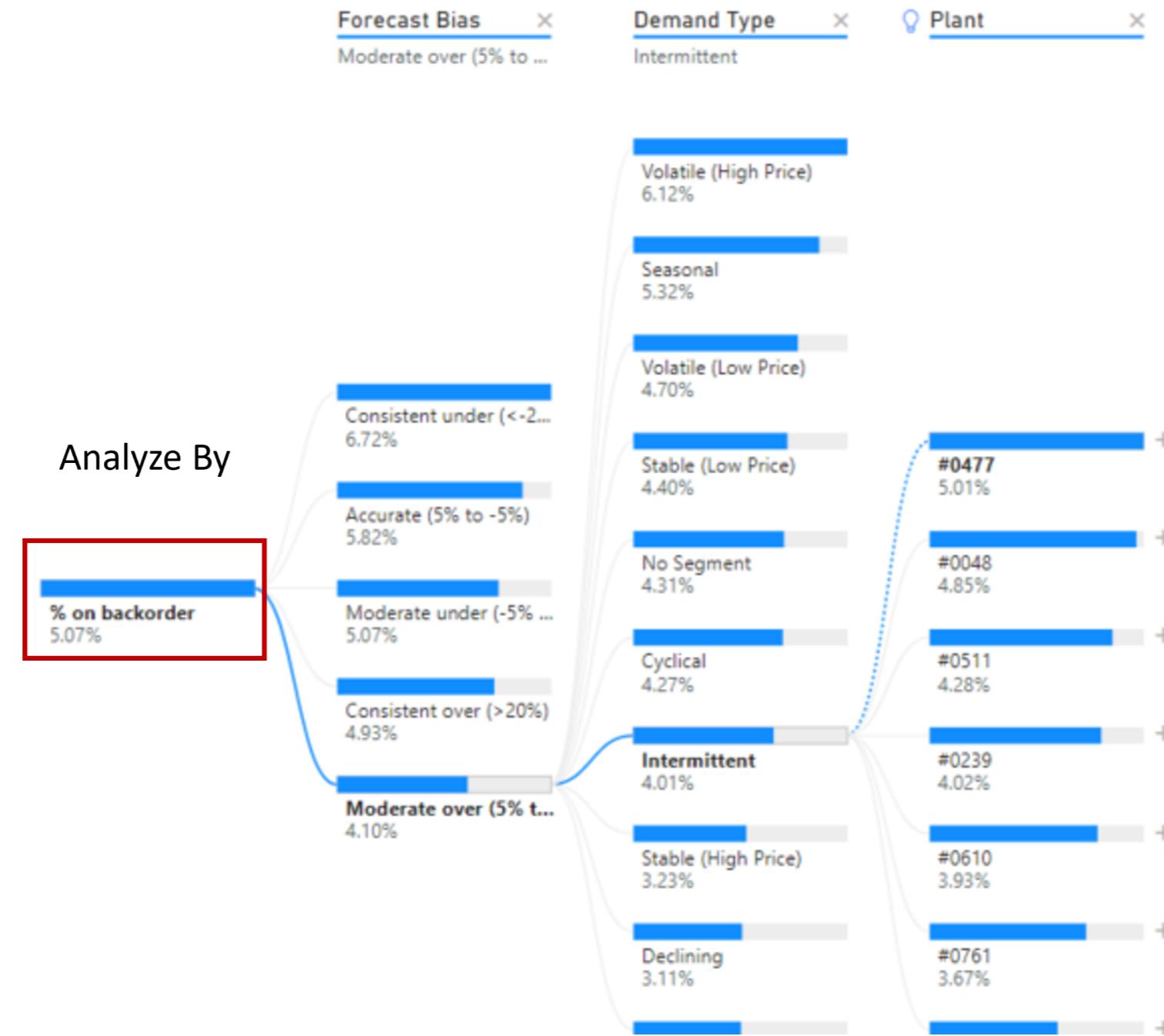
# Structure of a decomposition tree



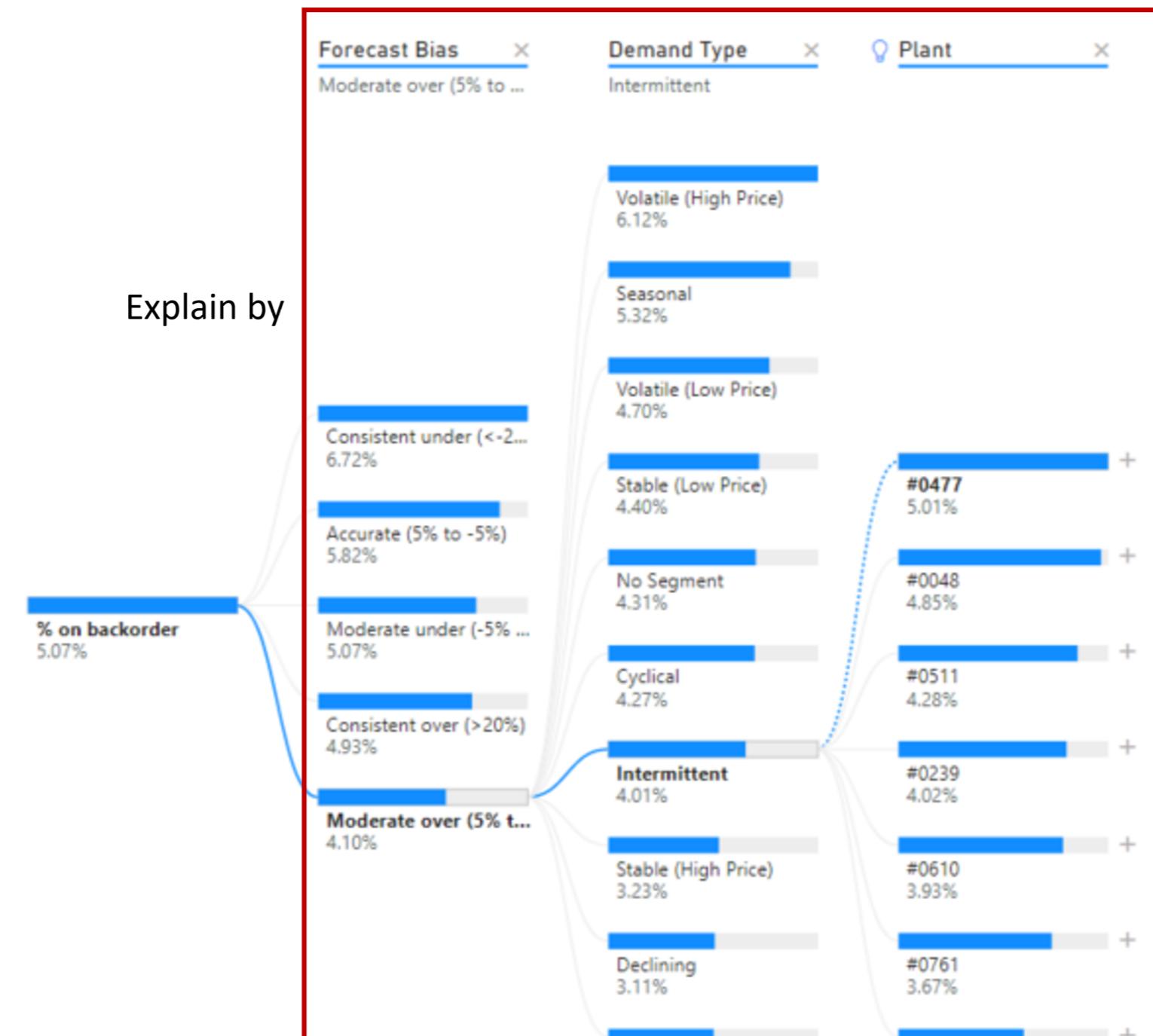
# Structure of a decomposition tree



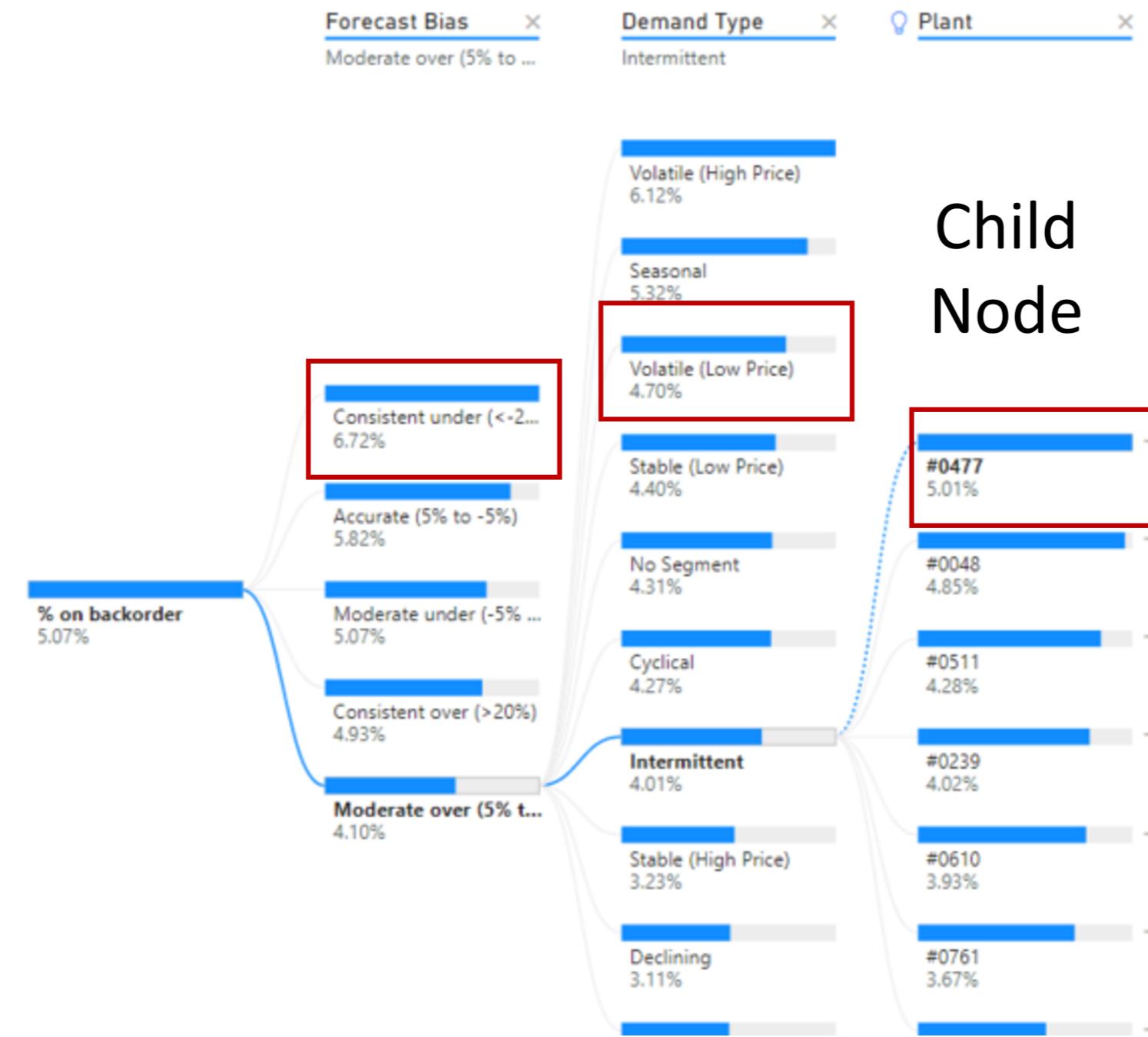
# Structure of a decomposition tree



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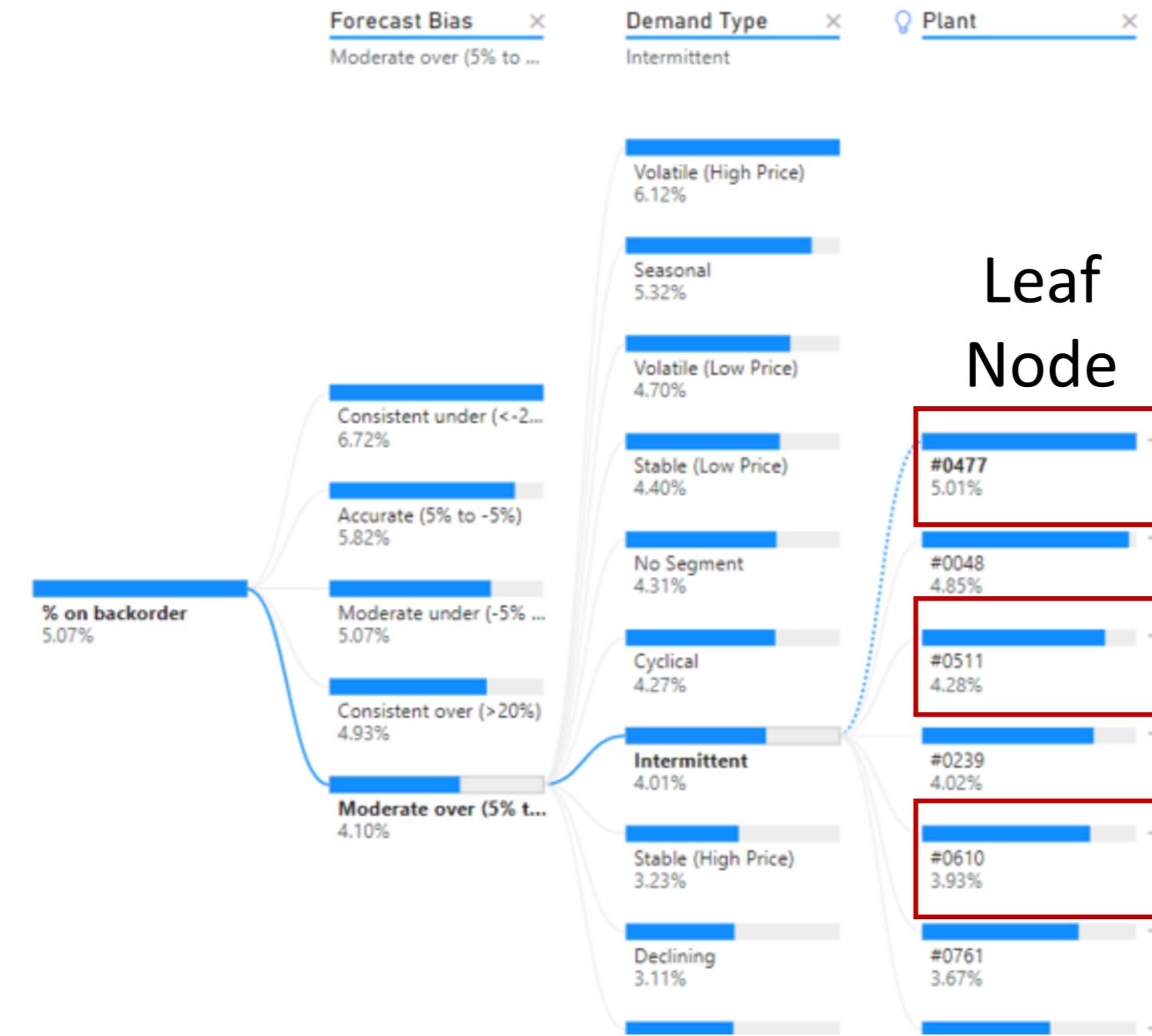


# Structure of a decomposition tree



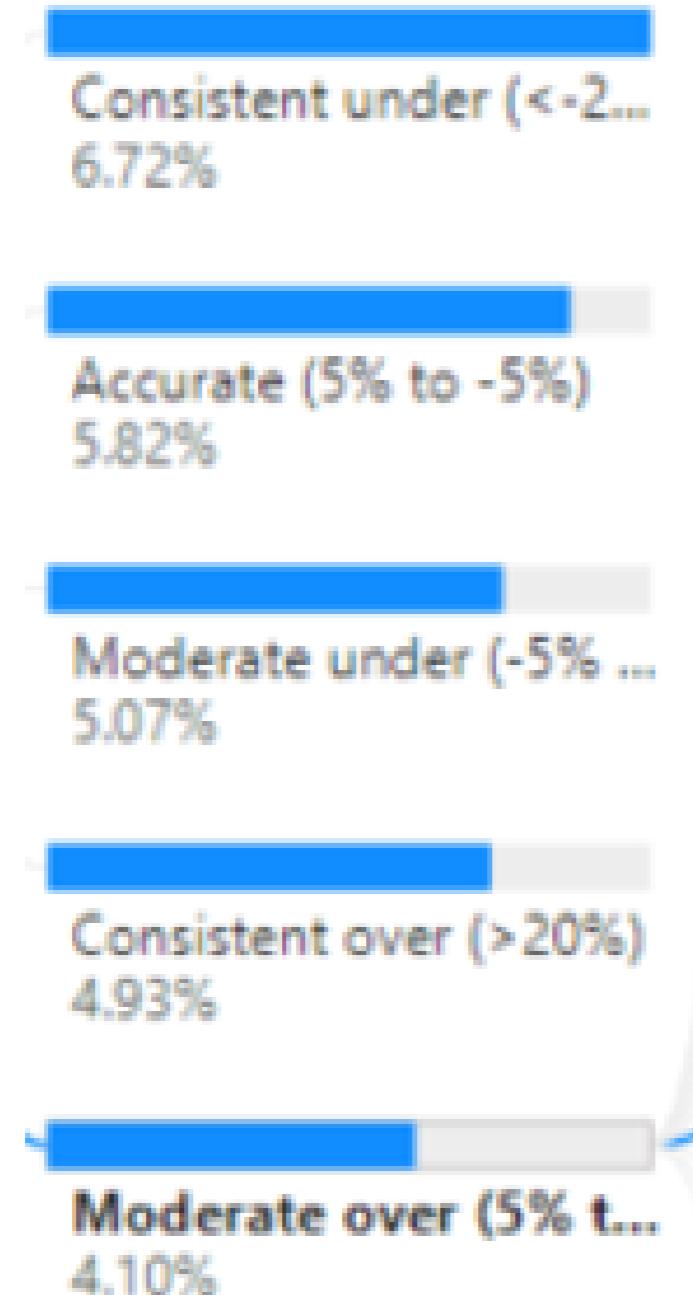
Child  
Node

# Structure of a decomposition tree

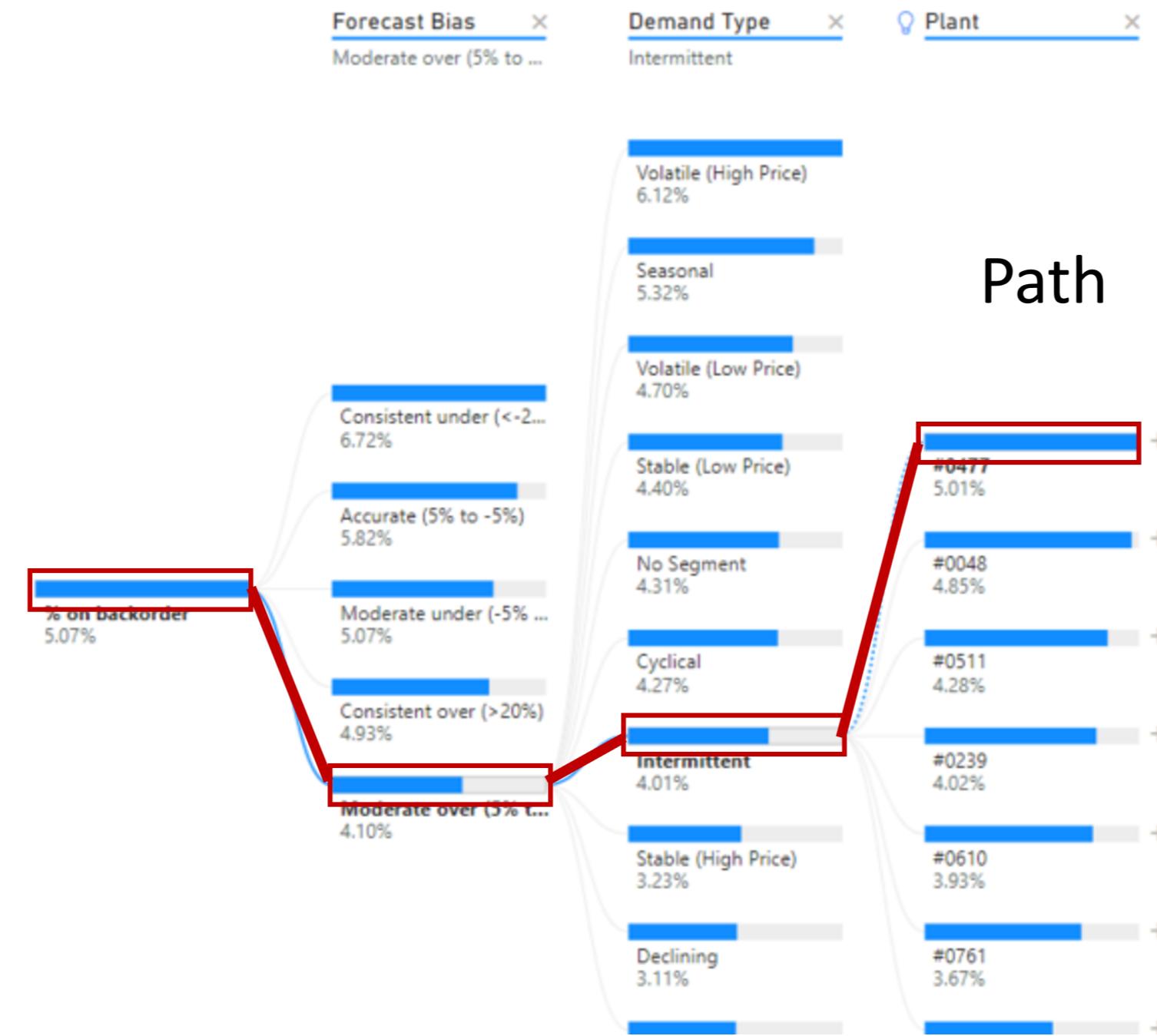


Leaf  
Node

# Structure of a decomposition tree

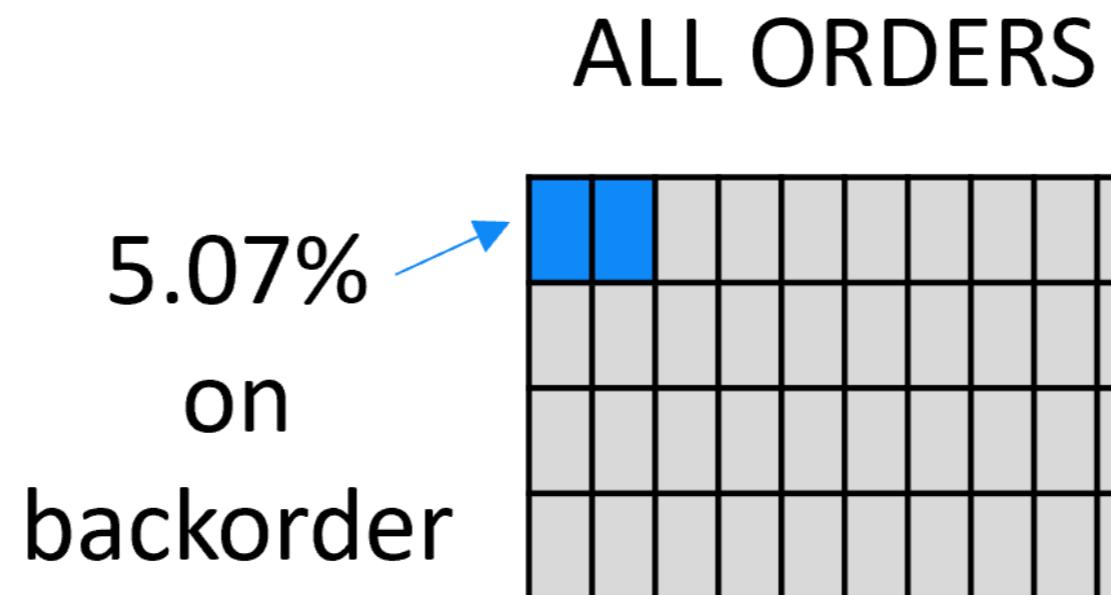


# Structure of a decomposition tree



# Reading a decomposition tree

% on backorder  
5.07%



# Reading a decomposition tree

## Forecast Bias

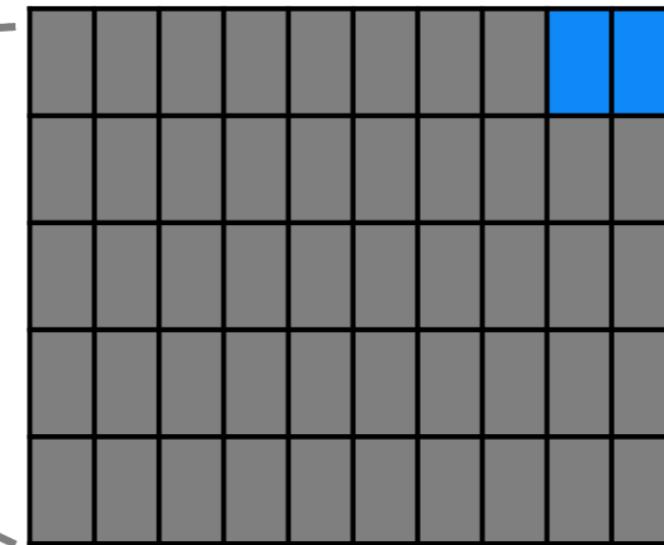
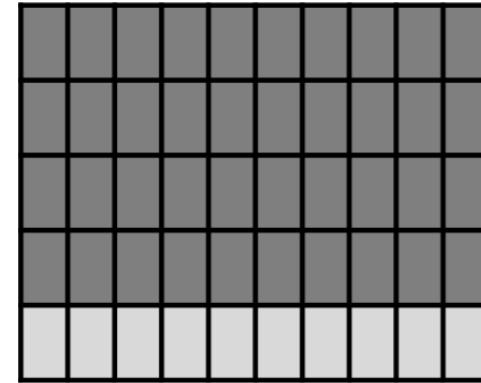


5.07%



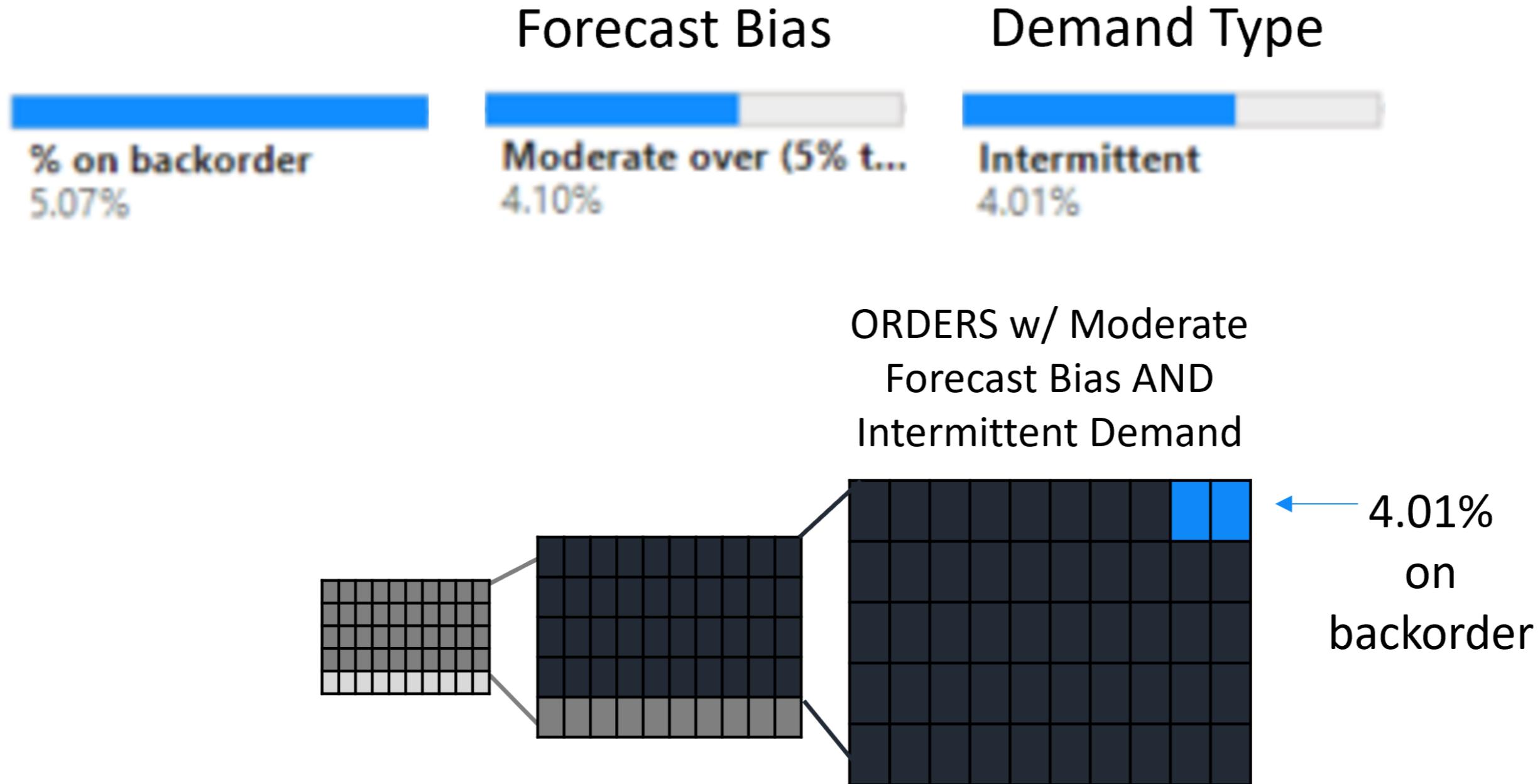
4.10%

## SUBSET OF ORDERS

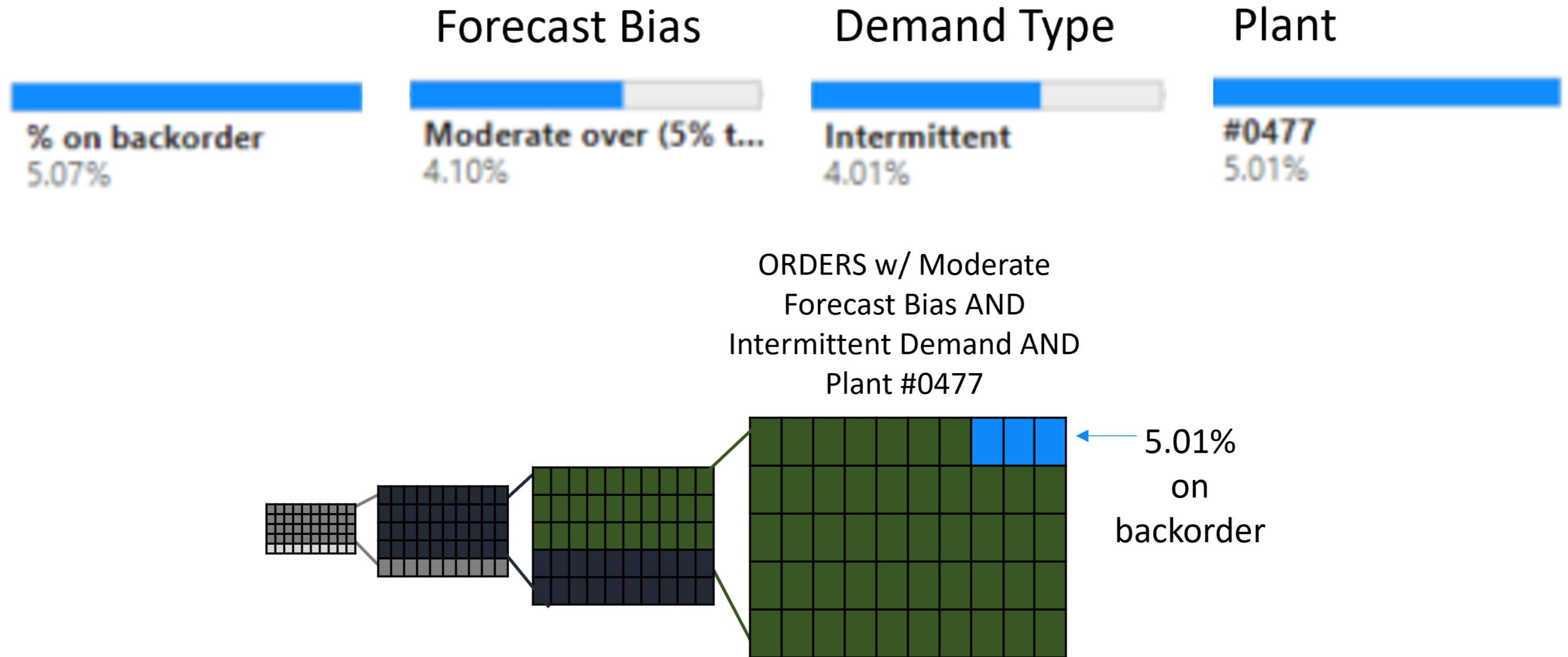


4.10%  
on  
backorder

# Reading a decomposition tree



# Reading a decomposition tree



# **Let's practice!**

**TREND ANALYSIS IN POWER BI**

# Using decomposition trees in Power BI

TREND ANALYSIS IN POWER BI



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# **Let's practice!**

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