

Measuring Forecast Accuracy

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- Accurate forecasting is critically important
 - Better decision making
 - Reduces wasted resources
 - Advantage versus competition
- The following three pages will detail:
 - Flight matching logic
 - Statistical results report by chart
 - Statistical results report by graph

Flight Matching Logic

FLIGHT GROUPING LOGIC: FORECAST

For Forecast

- Average all flights having the same Dep/Arr Airport, Dept and Equipment
- Retain No. of Ops per Week

FLIGHT GROUPING LOGIC: ACTUAL

For each Month of data:

- Average all flights having the same Dep/Arr Airport, Dept and Equipment
- Retain No. of Ops per Month

EXACT FLIGHT MATCHING LOGIC

- Match all Forecast and Actual Groups with Exact Matches

MaxLimit Boundaries

• Forecast Ops per Week:	1	2	3	4	5	6	7
• Actual Ops MaxLimit:	5	10	15	19	23	27	31

APPROXIMATE FLIGHT MATCHING LOGIC

- Match additional Actual Flights in relation to the No. of Ops Per Week
 - The maximum Actual Flights allowed is designated MaxLimit
- Iterate until MaxLimit is reached
 - Pass 1: Actual Flights +/- 30 minutes of Forecast Flight, same Equipment
 - Pass 2: Actual Flights +/- 60 minutes of Forecasted Flight, same Equipment
- If a Forecasted Flight has no matching Actual Flights, default to Segment Actual

PRODUCE LOADFACTOR, YIELD and FLIGHT REVENUE ONBOARD STATISTICS

Onboard Statistics: Chart Format

ALL FLIGHTS																		
					Percent Distribution of % Error										Cumulative			
Avg	Avg	Avg	Avg	Abs	<	-30%	-20%	-10%	-1%	0%	1%	10%	20%	>	-1%	-10%	-20%	-30%
Fcst	Actual	Error		Error	-30%	-20%	-10%	-1%	0%	1%	10%	20%	30%	30%	1%	10%	20%	30%
Rev	15.6	14.6	0.9	2.3		6	6	10	18	21	15	9	11		39	65	82	98
LF	78.9	86.4	-8.6	11.3		12	12	21	30	16	3	1	1		47	72	86	98
Yield	15.2	12.9	4	4.8				1	7	20	27	18	22		28	58	76	98

Onboard Statistics: Graphic Display

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