

# **Explanation of forecast quality assessment**

Quantifying IT forecast quality by J.L. Eveleens and C. Verhoef



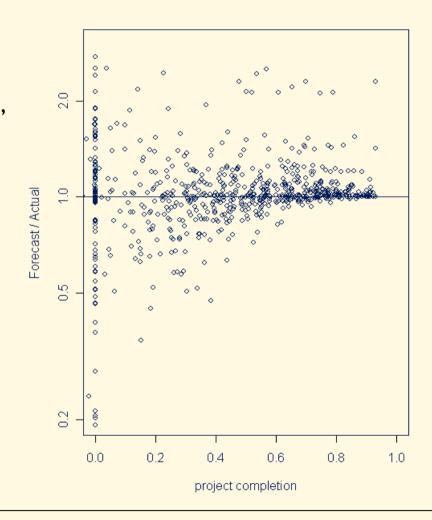
#### Introduction

- The f/a plot, EQF values and reference cone allow you to assess the quality of forecasts made in your organization.
- These tools combined, reveal potential biases, quantify the quality and detect outliers.



To assess forecasts made in your organization, first plot the forecast to actual ratios in an f/a plot.

Here we plotted 667 f/a ratios of the forecasted costs of 140 projects.

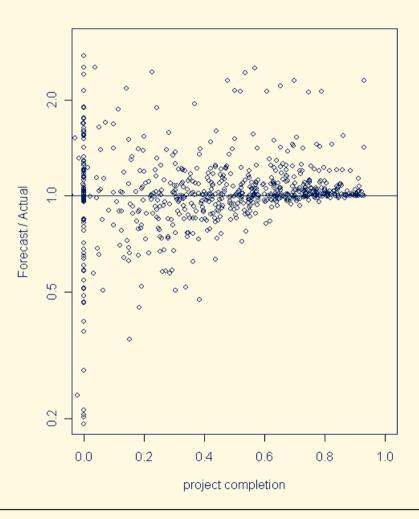


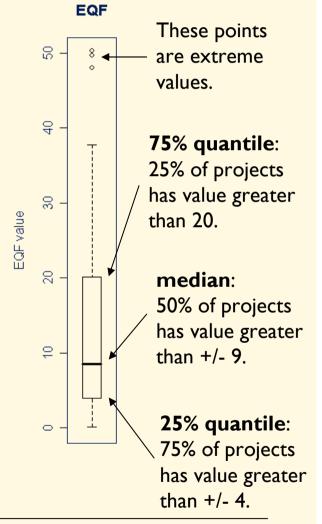


After plotting the f/a ratios, calculate for each project the EQF value.

For this example it resulted in 140 EQF values.

We depict these values using a boxplot on the right of the f/a plot.

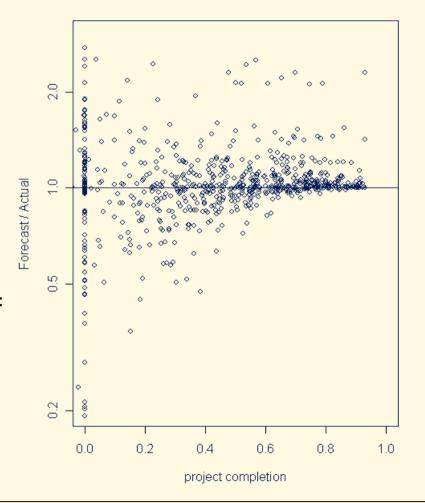


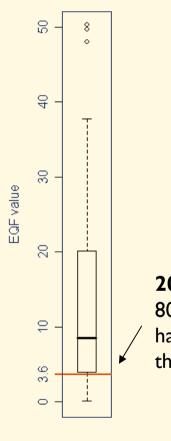




To assess the f/a ratios in the f/a plot, we want to draw a reference cone.

To draw this, we chose the 20% quantile of the EQF values.

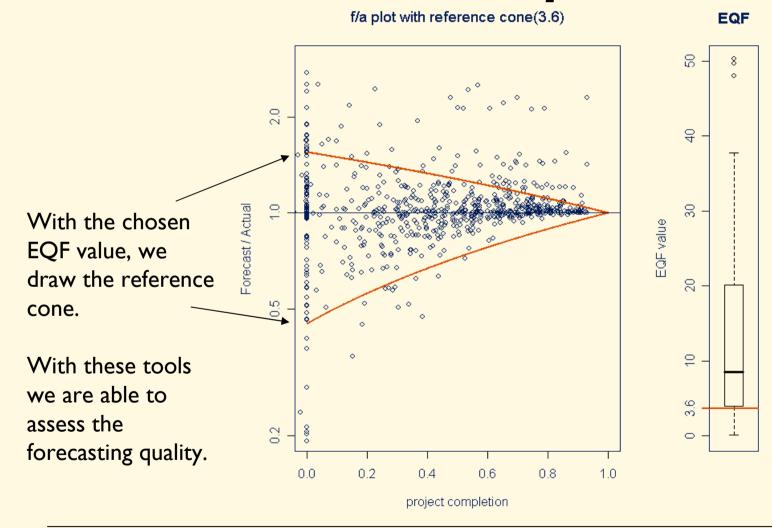




**EQF** 

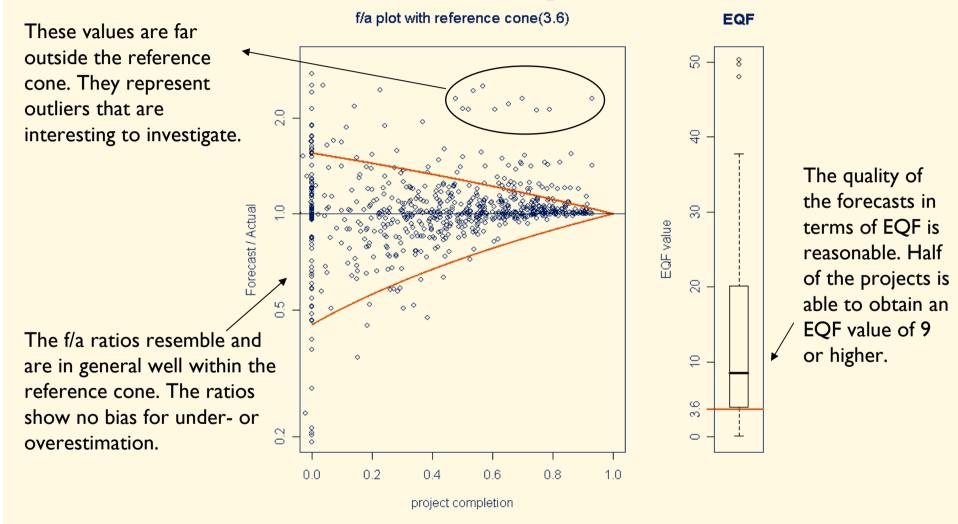
20% quantile: 80% of projects has value greater than +/- 3.6.







#### Assessment of example I





#### Assessment of example 2

