Weak vs bad variable in PMF
SNR calculation

Weak variable  \(0.2 < \text{SNR} < 2\)

bad variable  \(0.2 < \text{SNR}\)

“…a weak variable contains signal and noise in comparable amounts. Similarly, variables containing much more noise than signal are termed bad variables.” (Paatero & Hopke 2003)

\[
\text{SNR} = \sqrt{\frac{\sum S^2}{\sum N^2}}
\]  

(Paatero & Hopke 2003)
Weak vs bad variable

SNR=4  \rightarrow  Good variable?

SNR=1.52

SNR calculated after Step 2 in "Export" tab
NO BAD VARIABLES
ACSM panel
I noticed that in some cases the classification based on SNR is not appropriate (due to different reasons);

Some variables can still be used in PMF through downweighting (already implemented). However, it would be nice if the user could classify the variables one by one into good/bad/weak (if he/she wants).

I’m suggesting a SNR evaluation panel 😊 That could maybe be implemented with the 'Check error sanity' step in the 'Export' tab. Or maybe, just a simple panel 😊