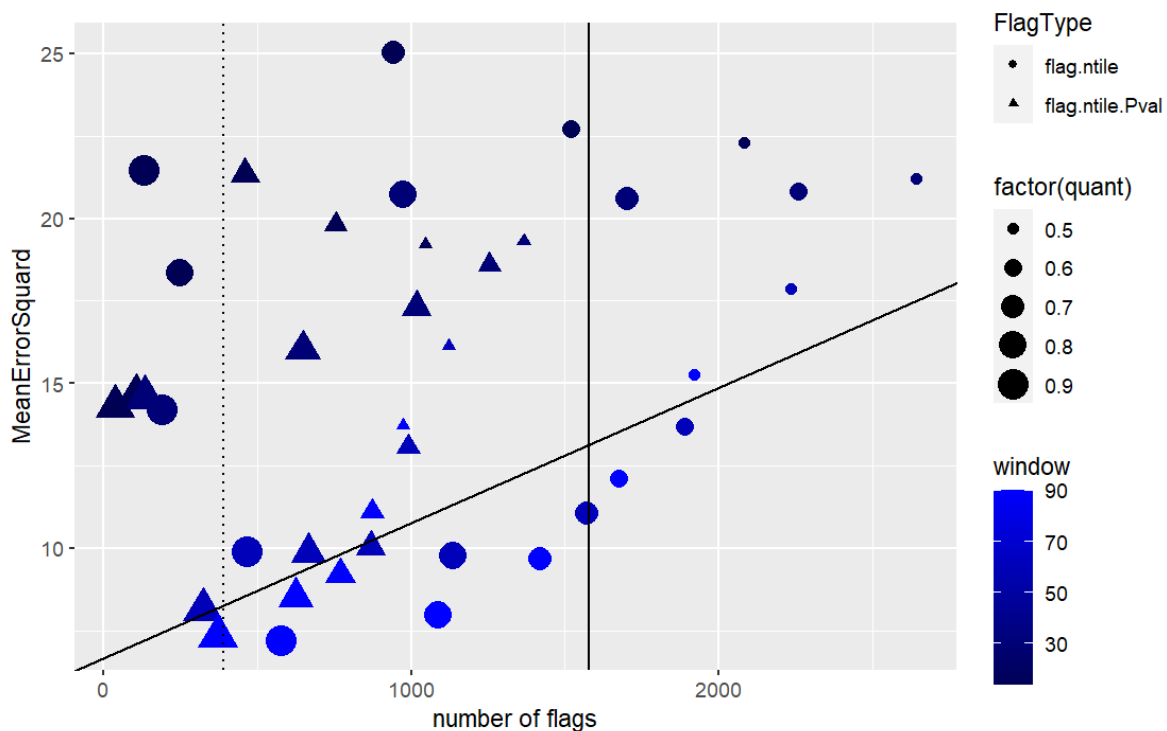# Covid-19 Wastewater Flagging Method Optimization Using a Minimum Flagging Difference of 10%

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**Introduction:** Taking the suggestions made in our previous meeting, we reran our analysis with a minimum flagging difference of 10% (instead of 100%) and removed flags with differences above 21 days instead of clamping them.



**Differences from our previous analysis:**

- More flags in general.

- flag.ntile.Pval now seems to be significantly worse for lower quantiles.

- Slightly non-linear trend among flag.ntile verses a very linear trend in the previous analysis

- A more pronounced relationship between window size and MSE.