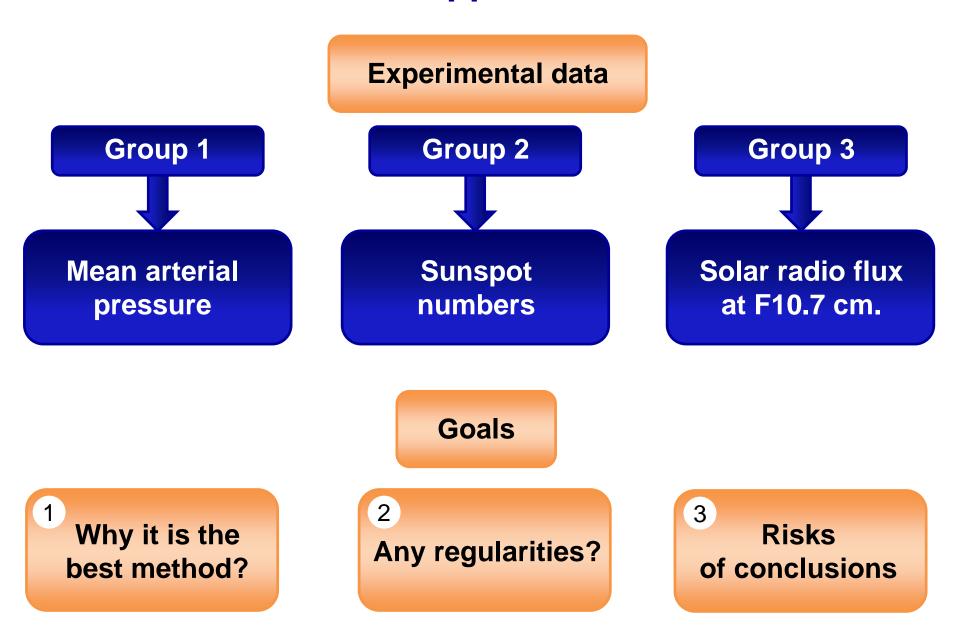


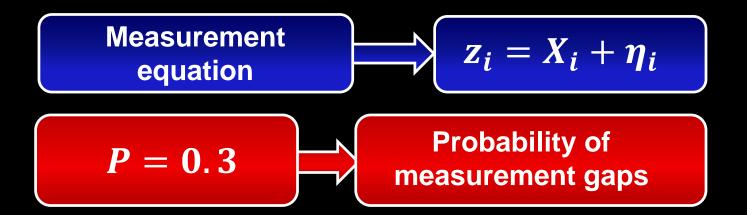
"Space Data Processing: Making Sense of Experimental Data"

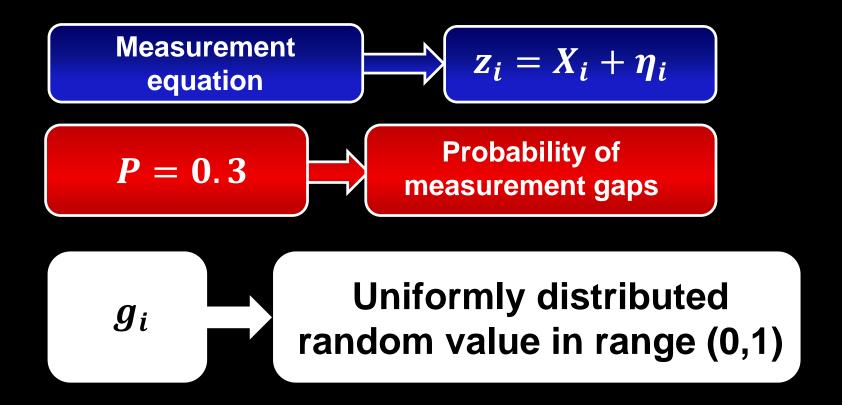
Final project Discussion

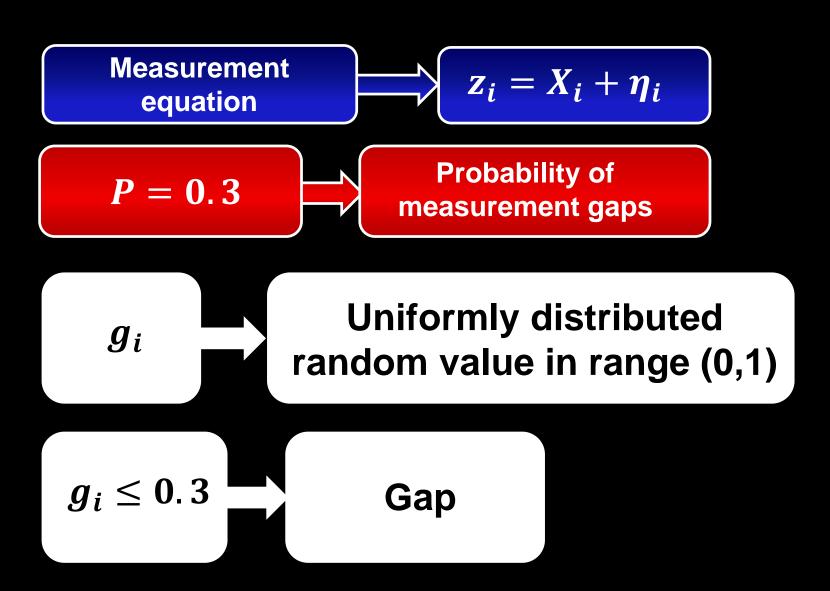
Tatiana Podladchikova Term 4, March 27 – May 26, 2017 t.podladchikova@skoltech.ru

Part I. Find best approximation method













Filtration is done only if measurements at step i are available $X_{i+1,i+1}$ Filtered estimate $P_{i+1,i+1}$ Filtration error covariance matrix



Filtration is done only if measurements at step i are available

$$X_{i+1,i+1}$$
 Filtered estimate

 $P_{i+1,i+1}$ Filtration error covariance matrix

If measurements at step i are not available, then filtered estimate is equal to extrapolated estimate

$$X_{i+1,i+1} = X_{i+1,i}$$
 $P_{i+1,i+1} = P_{i+1,i}$

Important dates

1 Tuesday, May 23 Exam

Wednesday, May 24 Project presentation

3 Friday, May 26 Project submission