$\hat{\theta}$ by noise level case ieee30 (radians) -0.15 -0.15 $\frac{1}{\theta}$ = 0.25 - $\frac{1}{\theta}$ = 0.30 - $\frac{1}{\theta}$ θ_i true $\hat{\theta}_i \ \sigma = 10.0\%$, rel_err=1.647% $\hat{\theta}_{i} \sigma = 25.0\%$, rel_err=6.765% -- $\hat{\theta}_{i} \sigma = 50.0\%$, rel_err=5.861% 10 20 Bus Index i