

CSTE/CDC 2018 Seasonal Influenza Forecasting Workshop

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Models

Past Model:

- Empirical Bayesian Hierarchical SIR model
- Hierarchy was on the seasons
- Empirical Bayes approach to speed up computation
- Works alright

Models

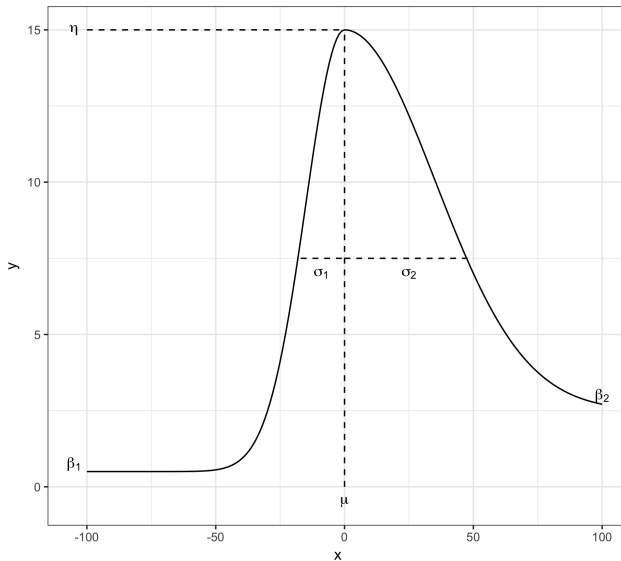
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- Empirical Bayesian Hierarchical SIR model
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New Model:

- Asymmetrical Gaussian functional form
- Hierarchy was on the seasons and regions

Asymmetrical Gaussian Functional Form



Beneficial Practices

- Empirical Bayes to speed up computation
- Hierarchy structures are beneficial
- Automate as much as possible