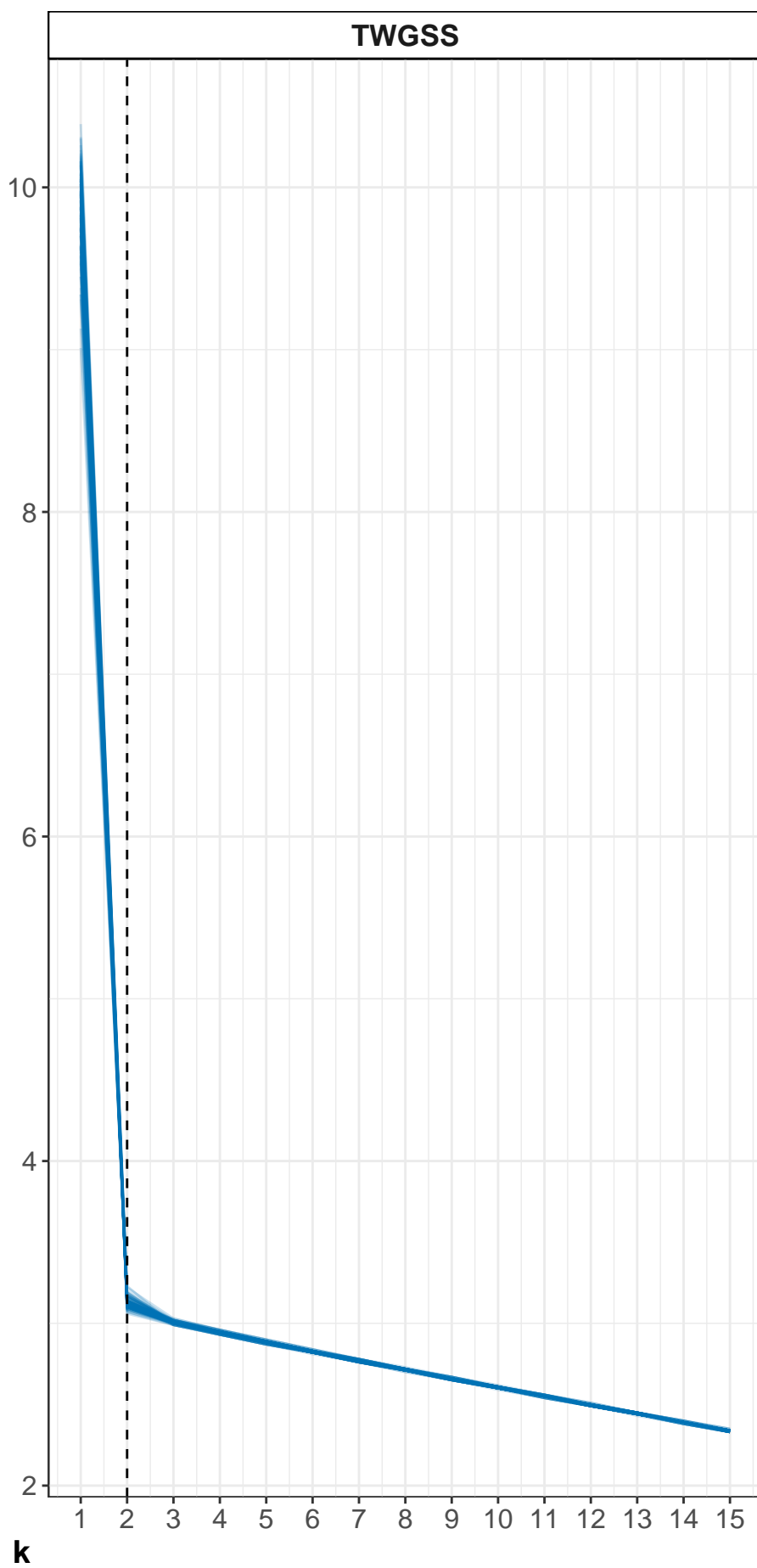
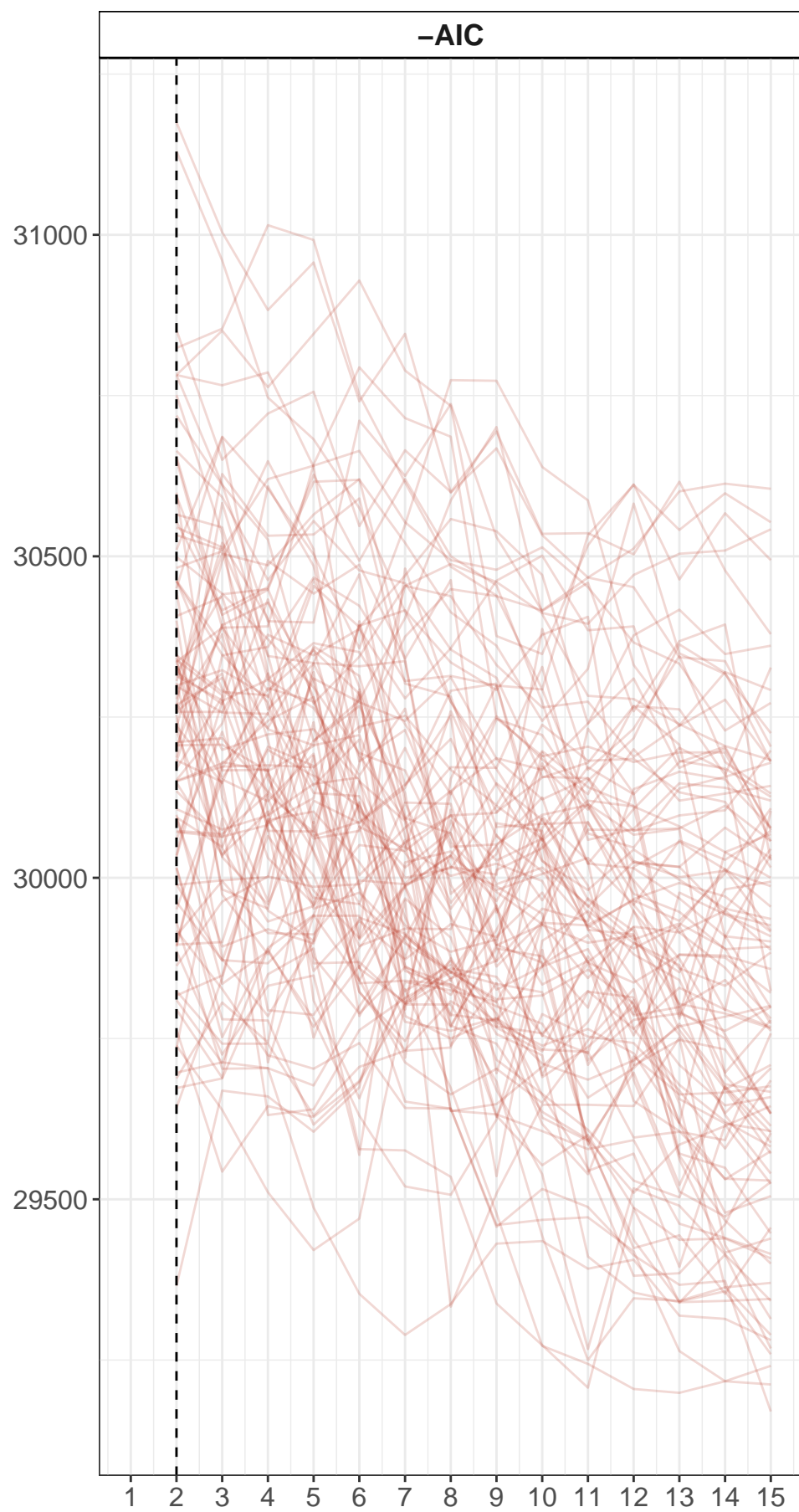
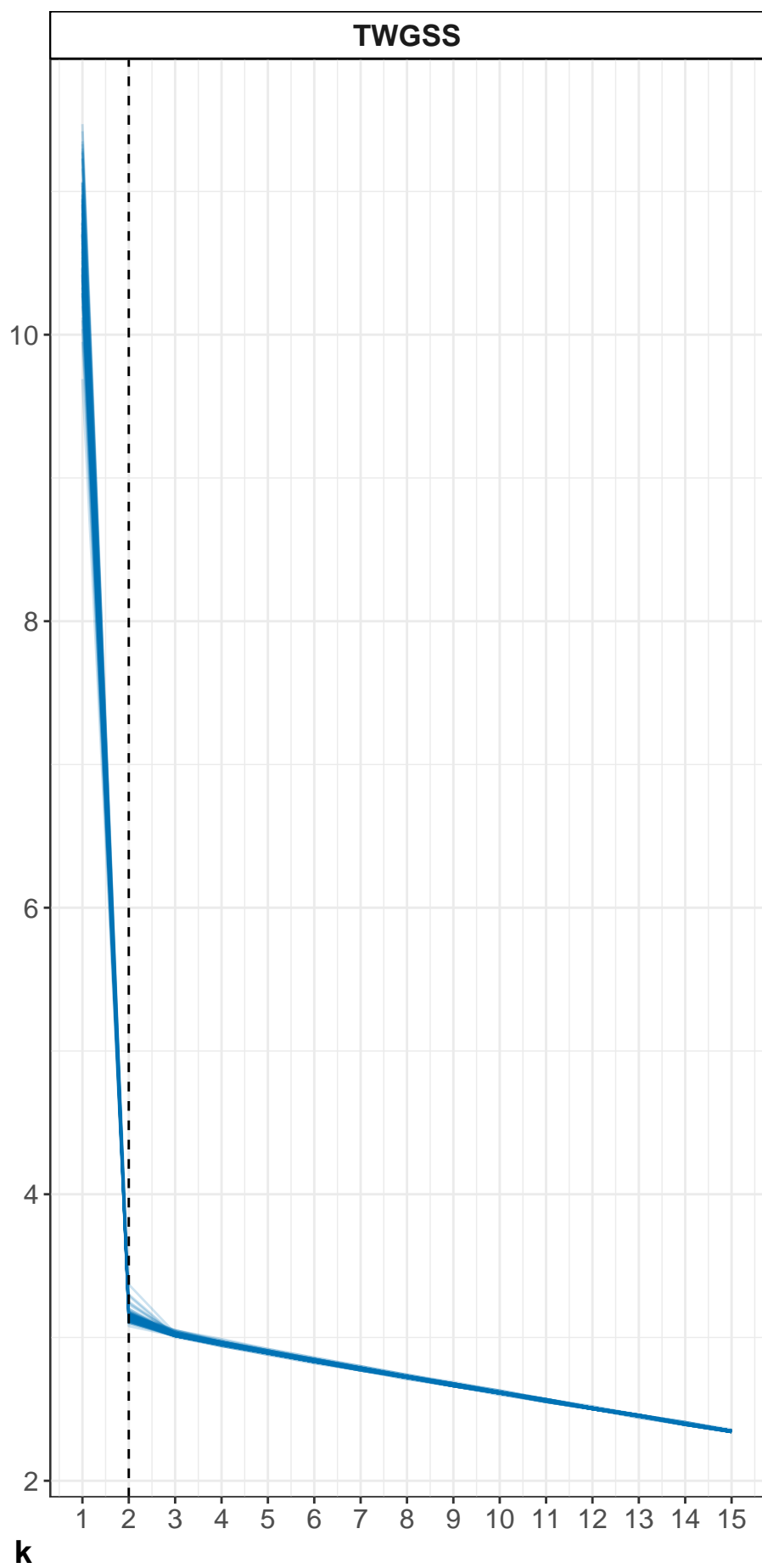
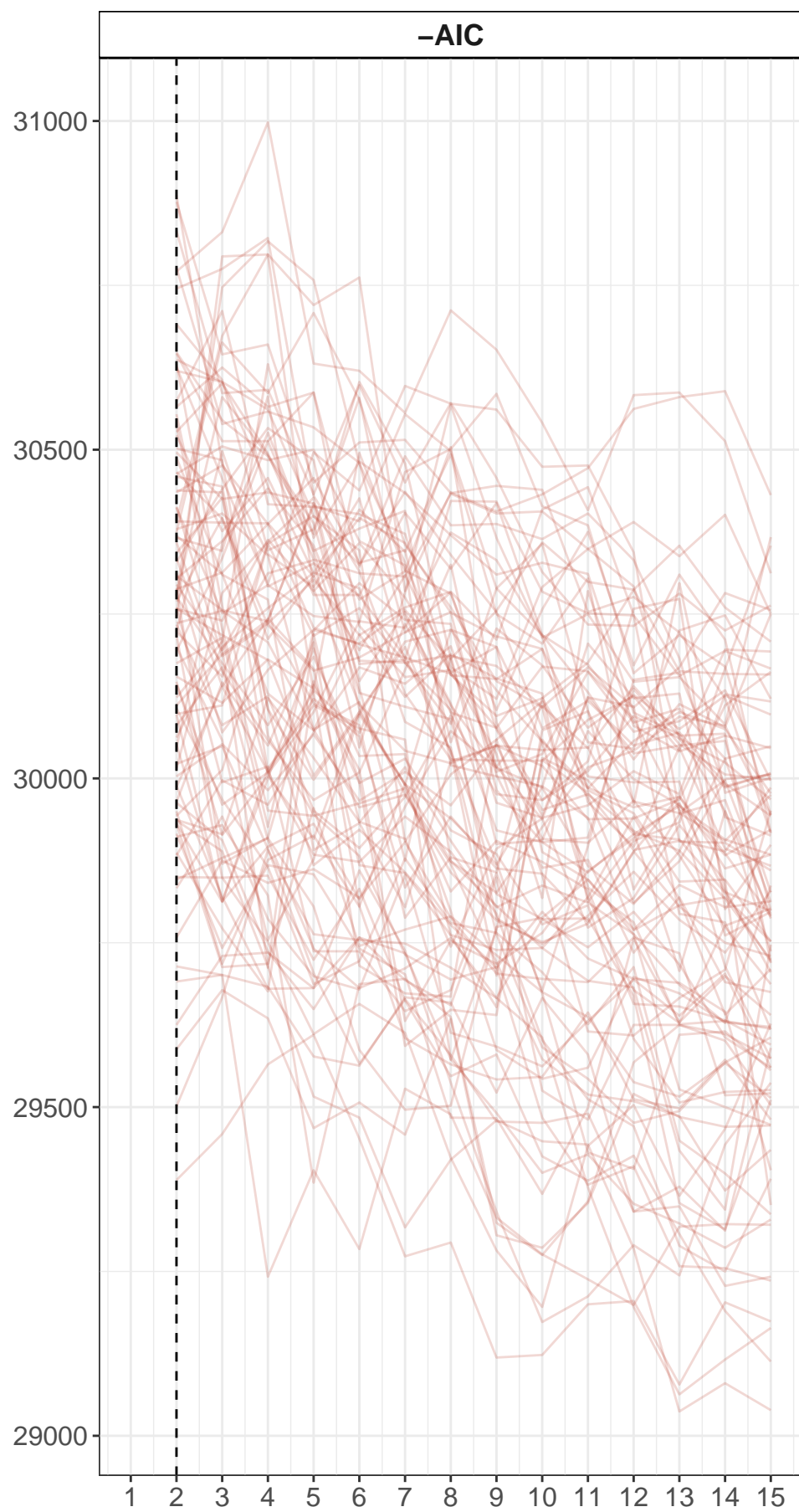


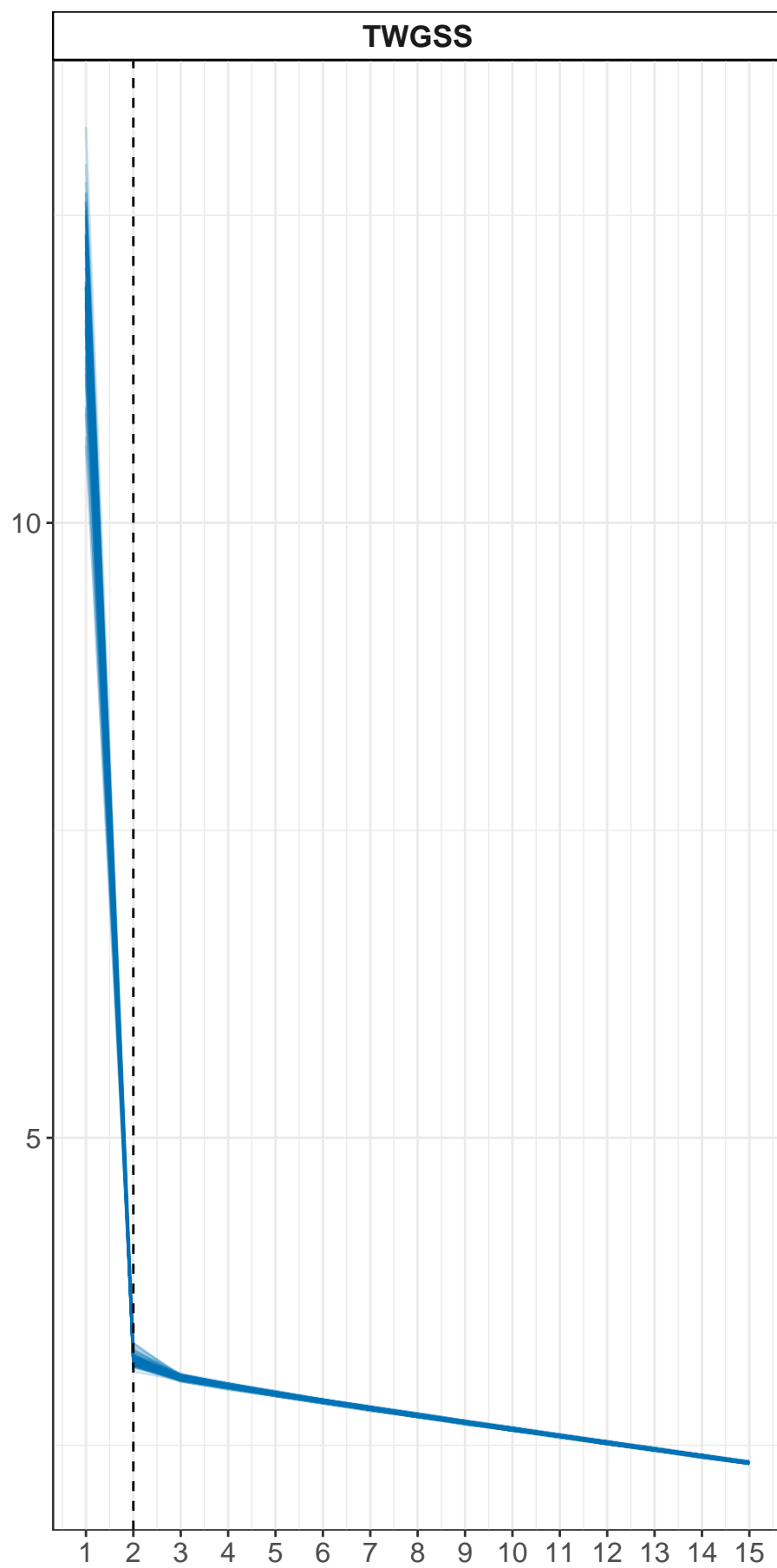
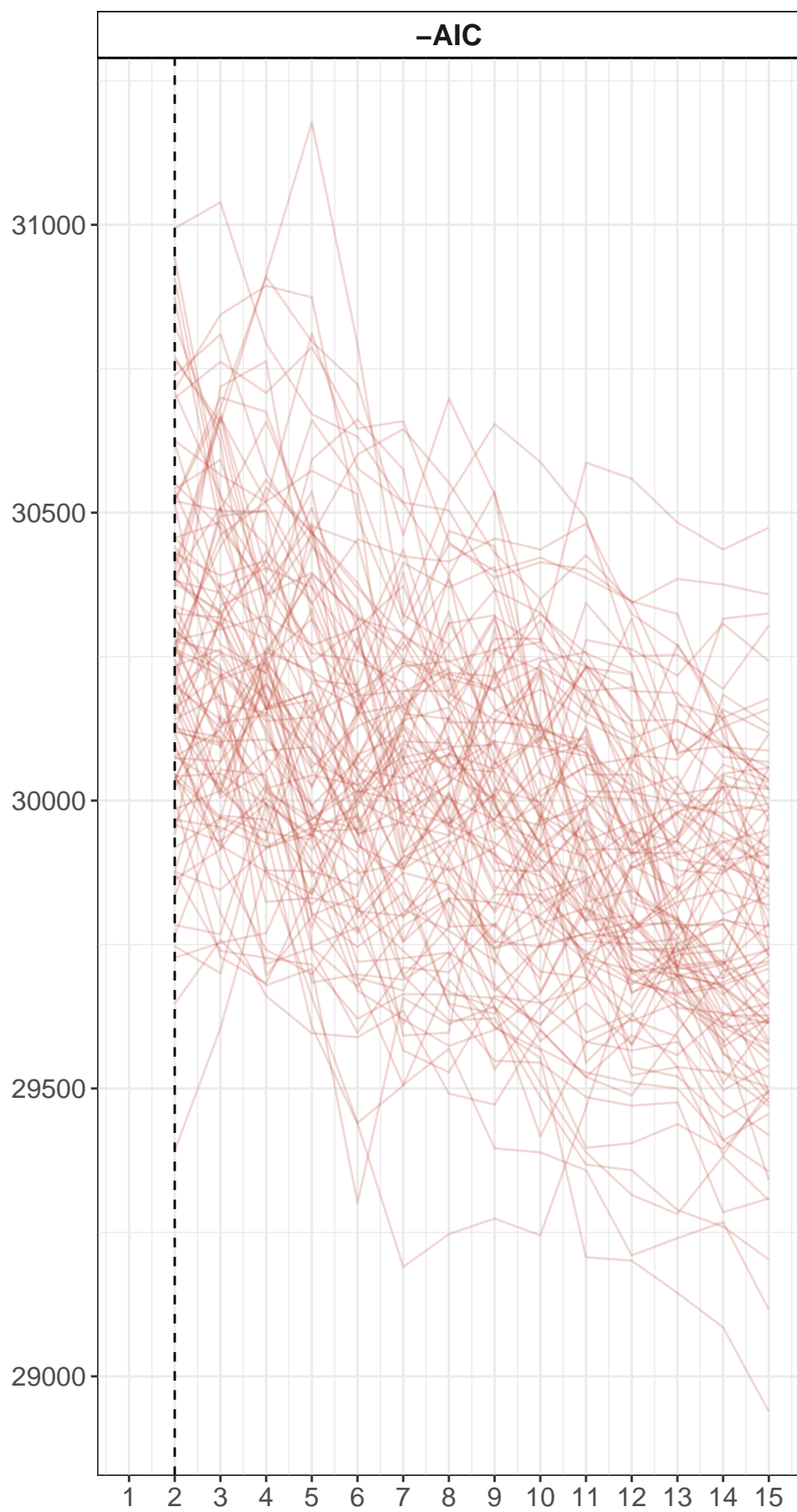
Elbow Plots for AIC and TWGSS, true $k = 2$, DQU = 85%, $n_{\text{sim}} = 100$



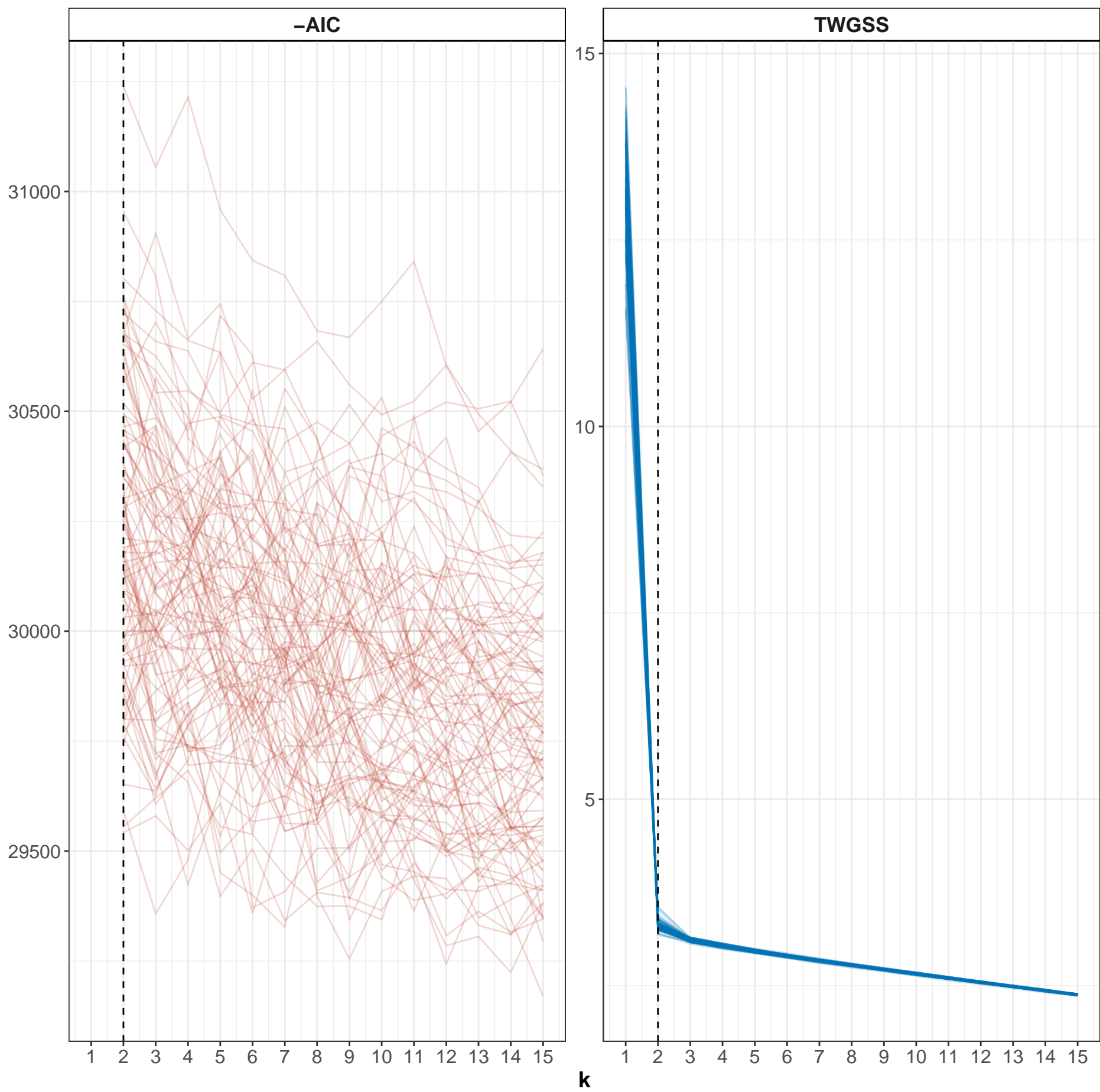
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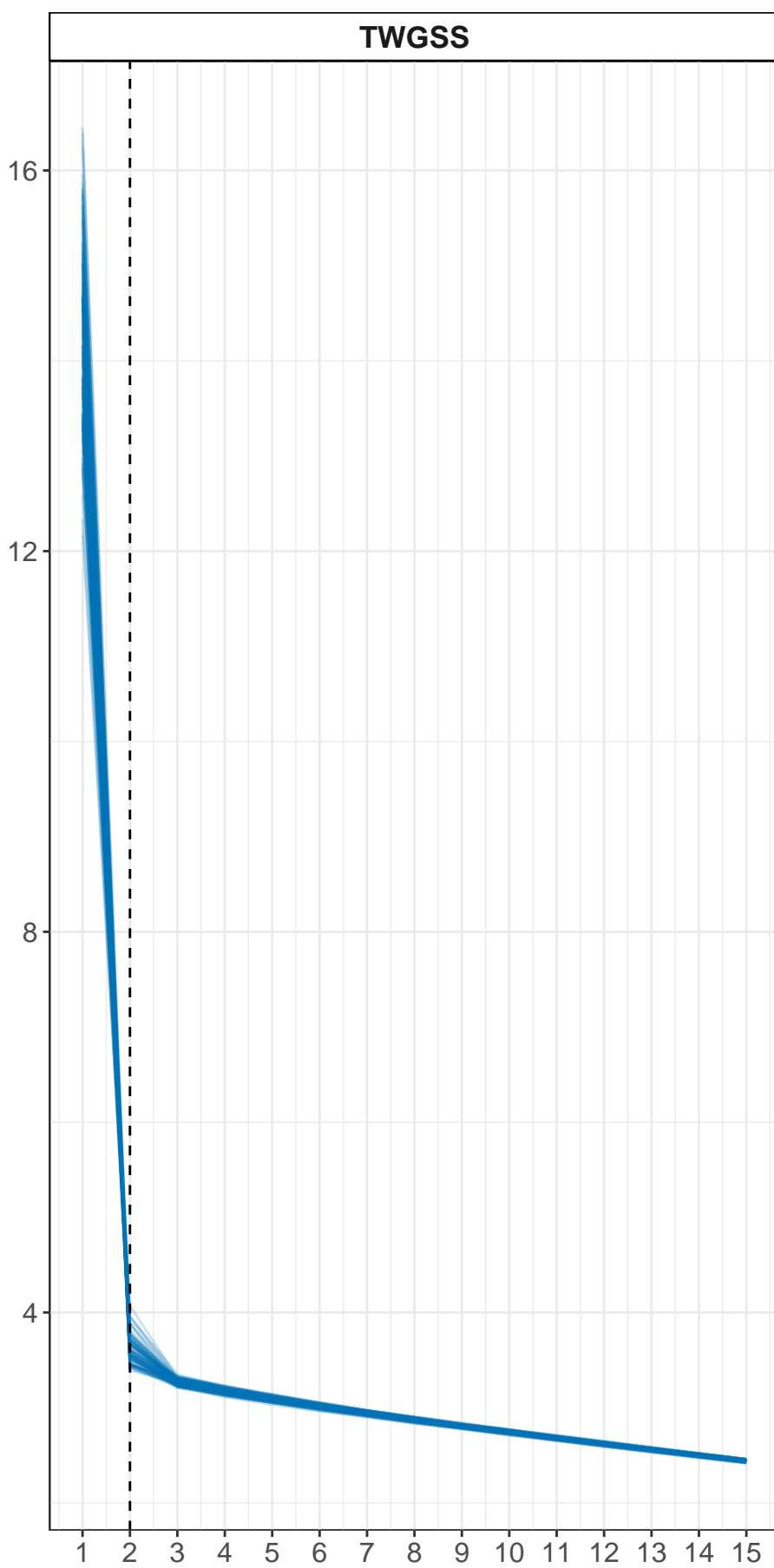
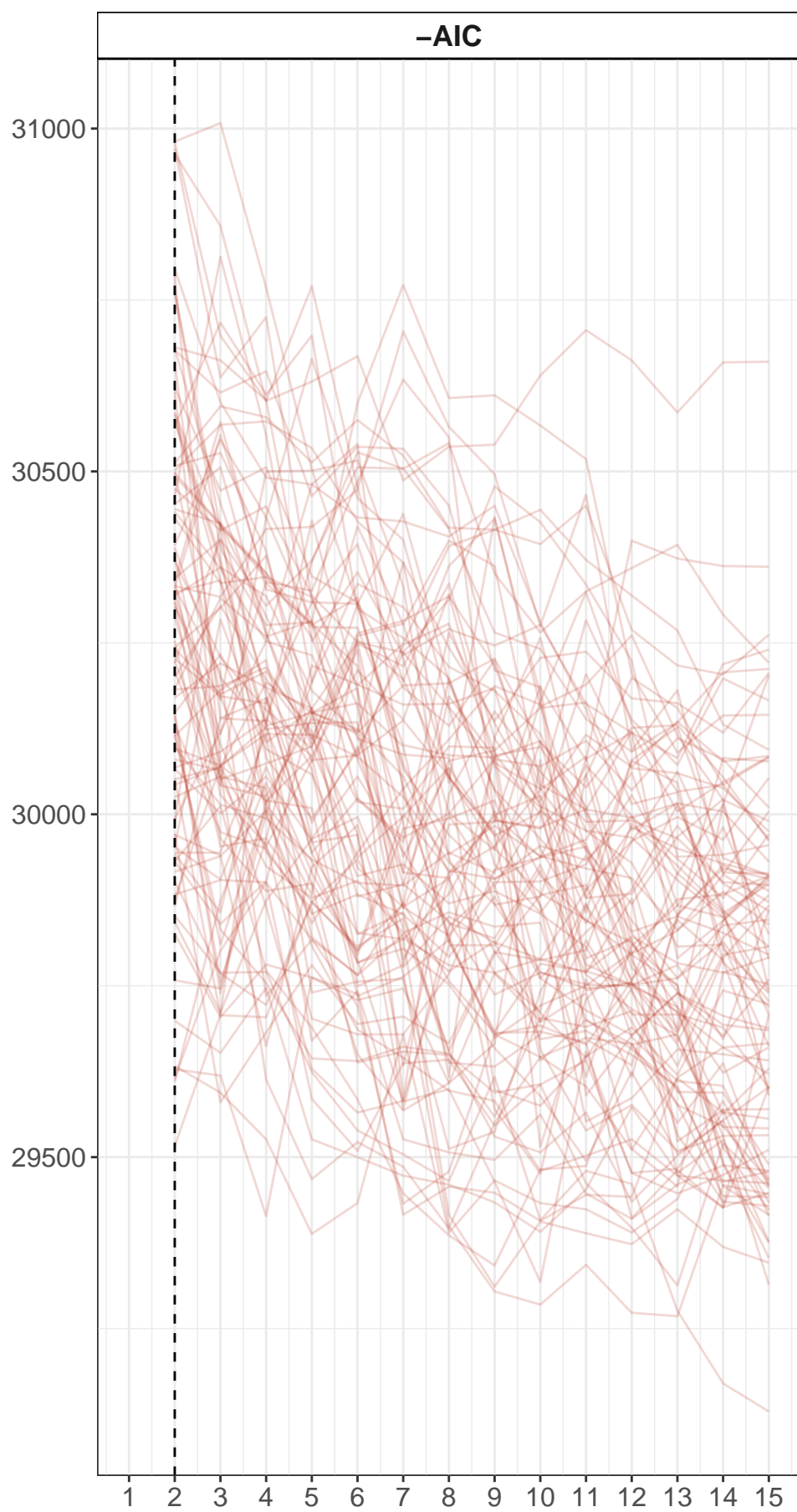
Elbow Plots for AIC and TWGSS, true $k = 2$, DQU = 90%, $n_{\text{sim}} = 100$



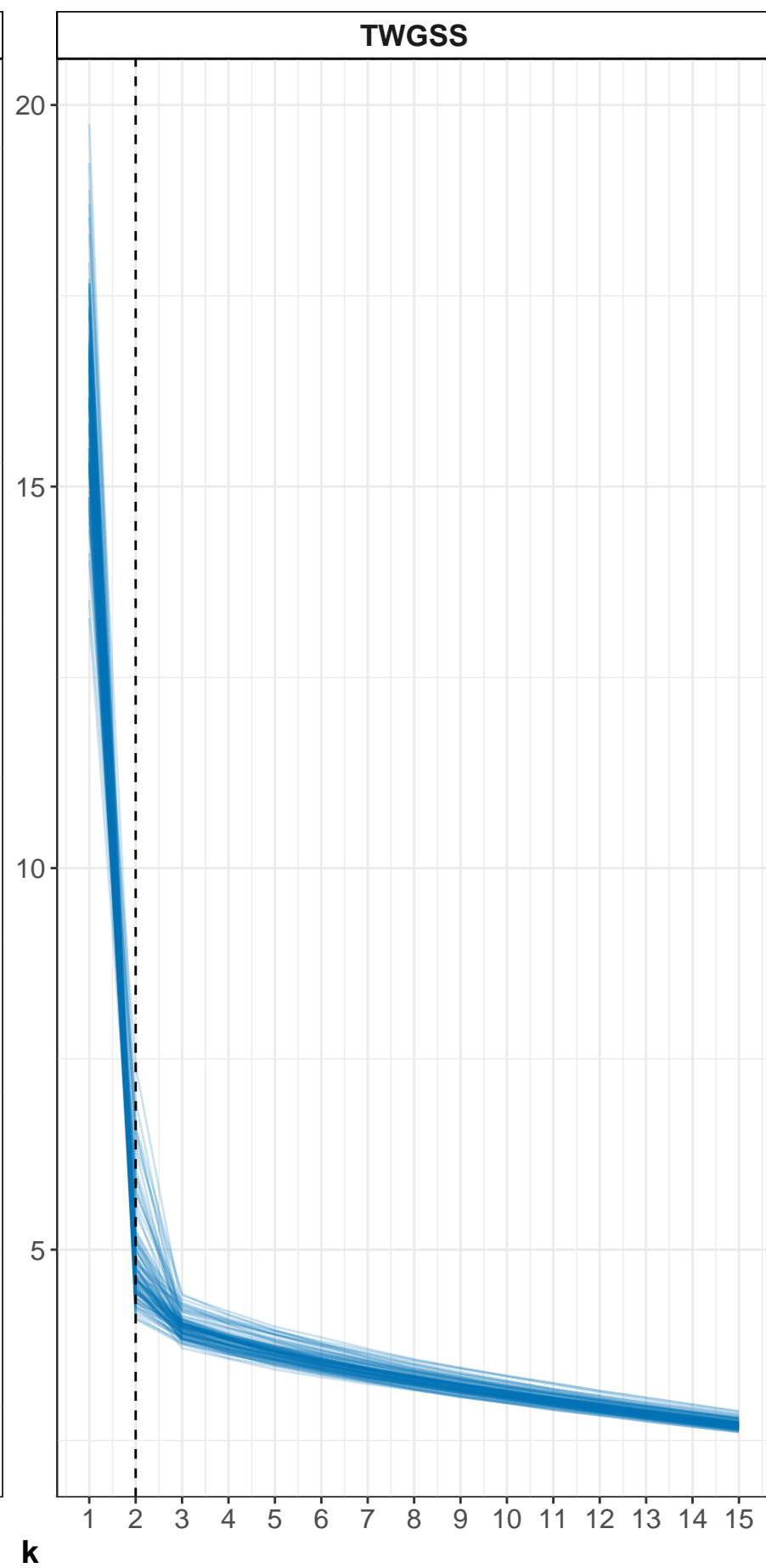
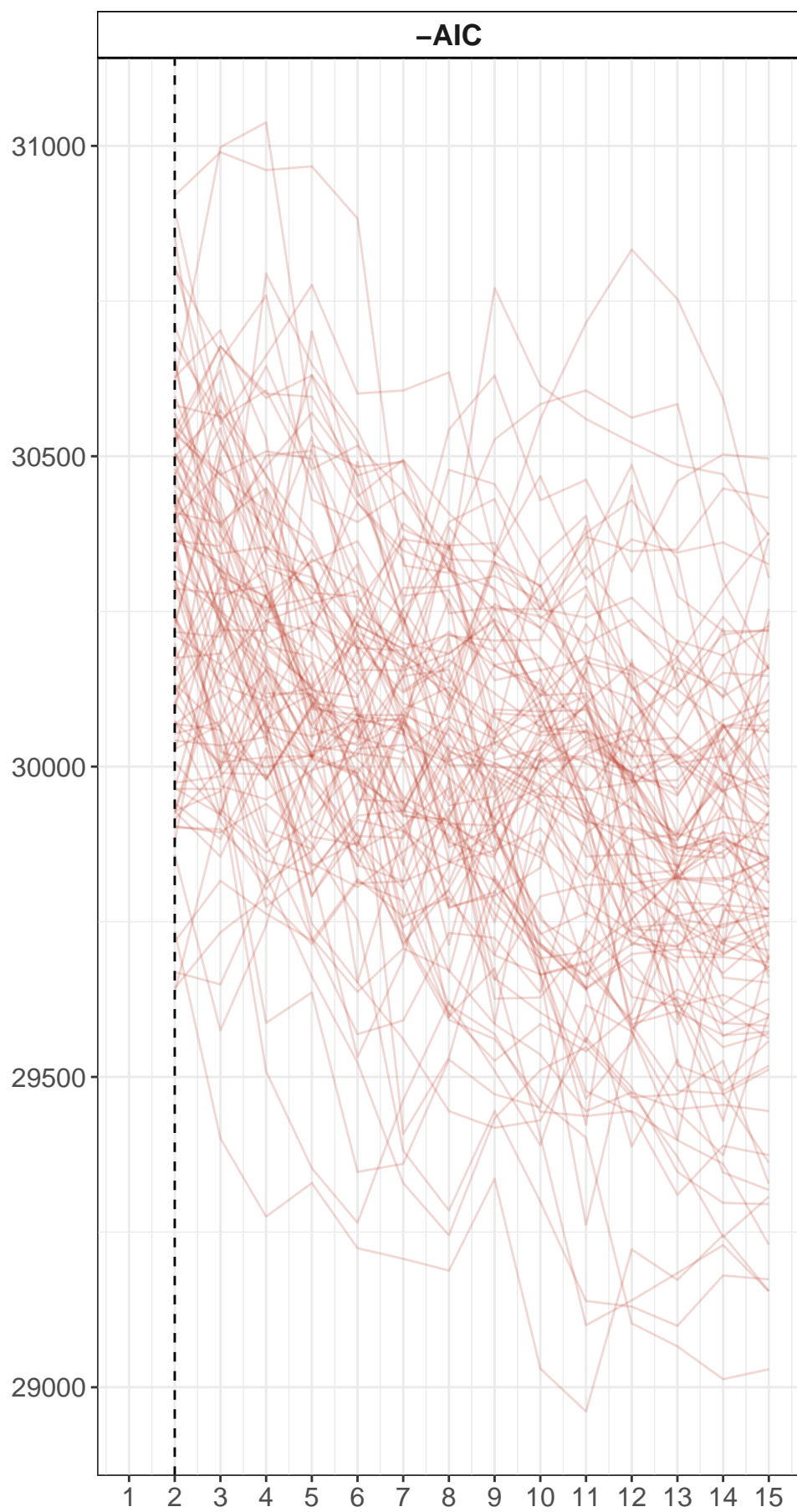
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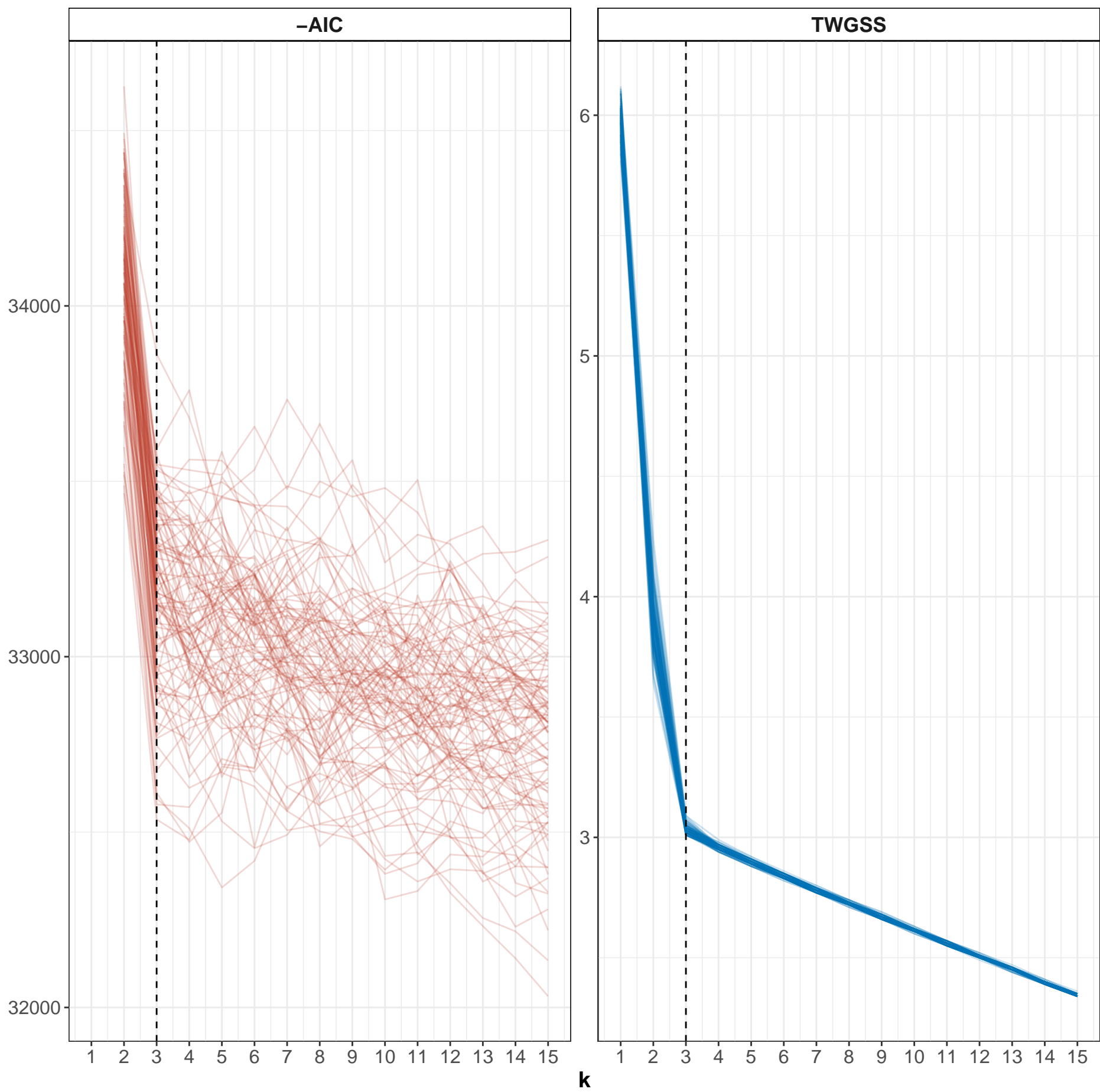
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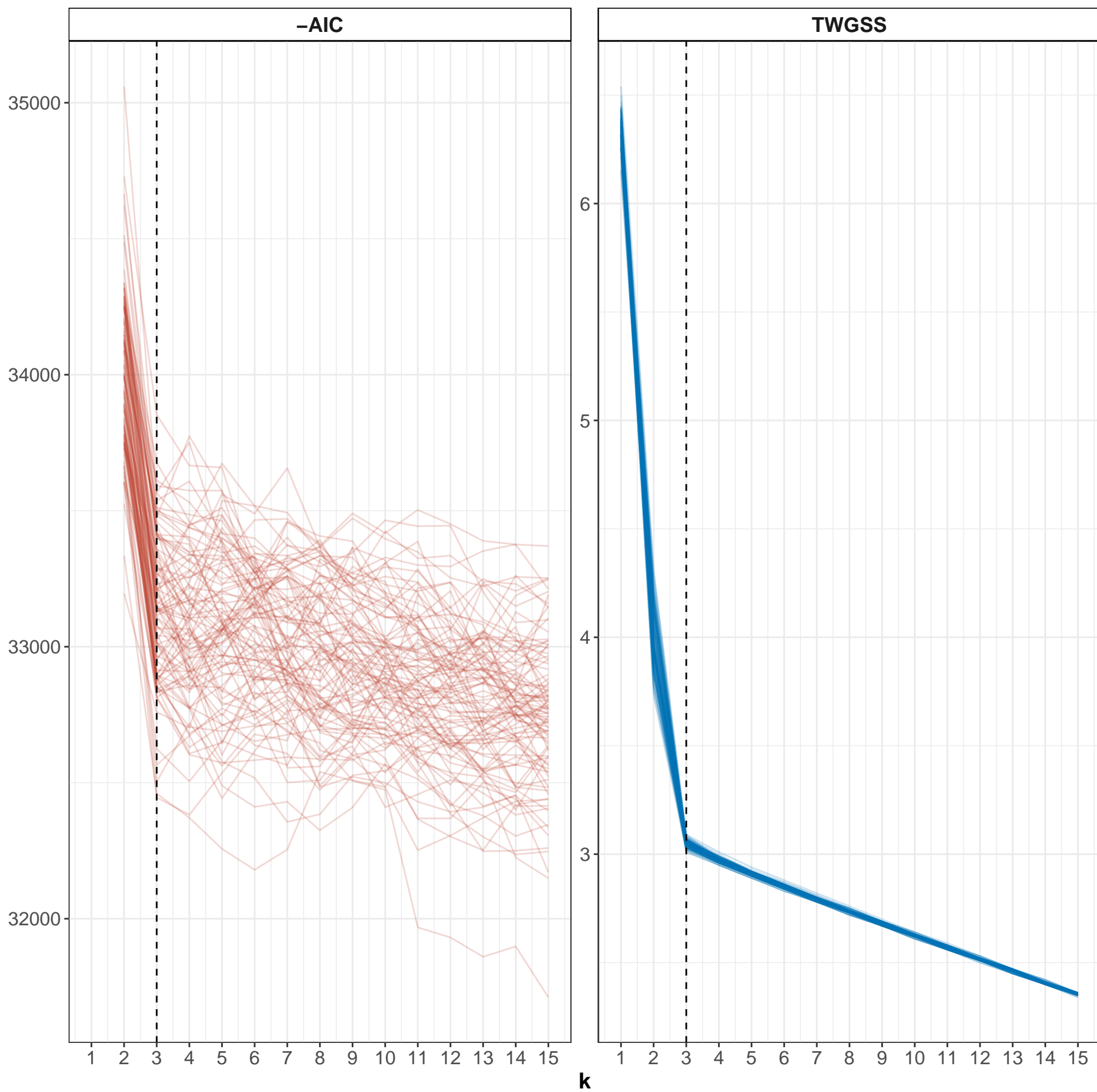
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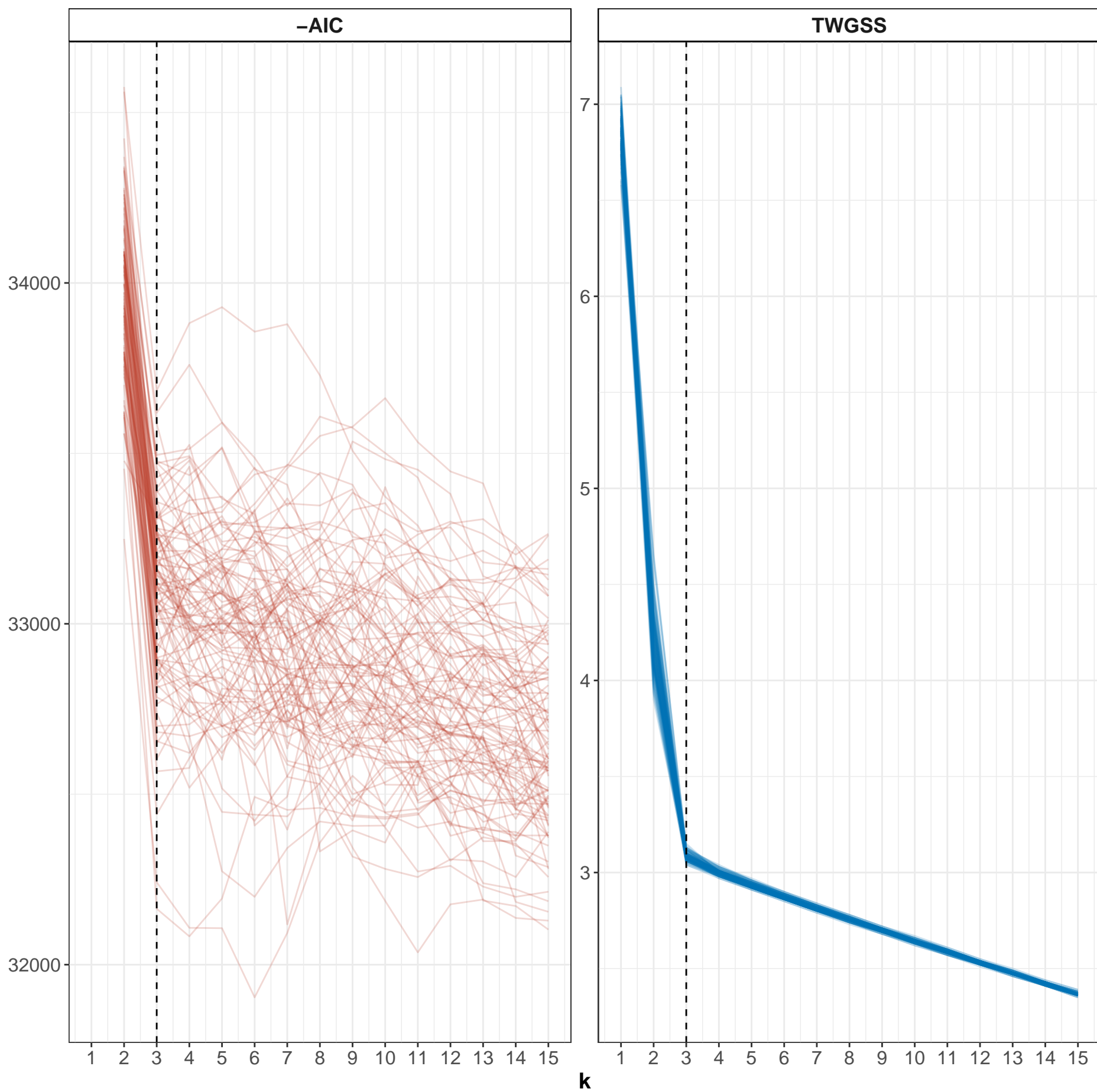
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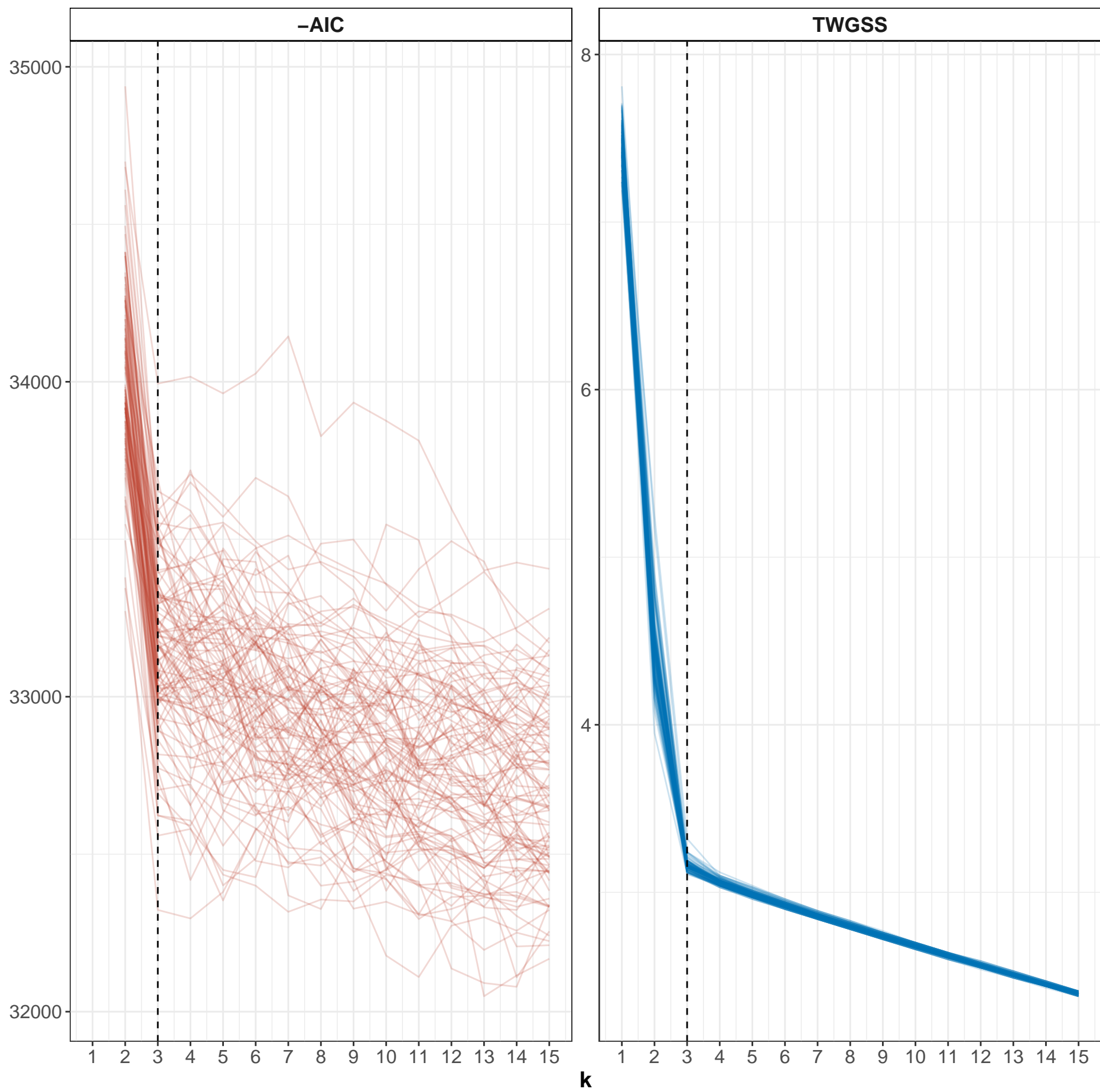
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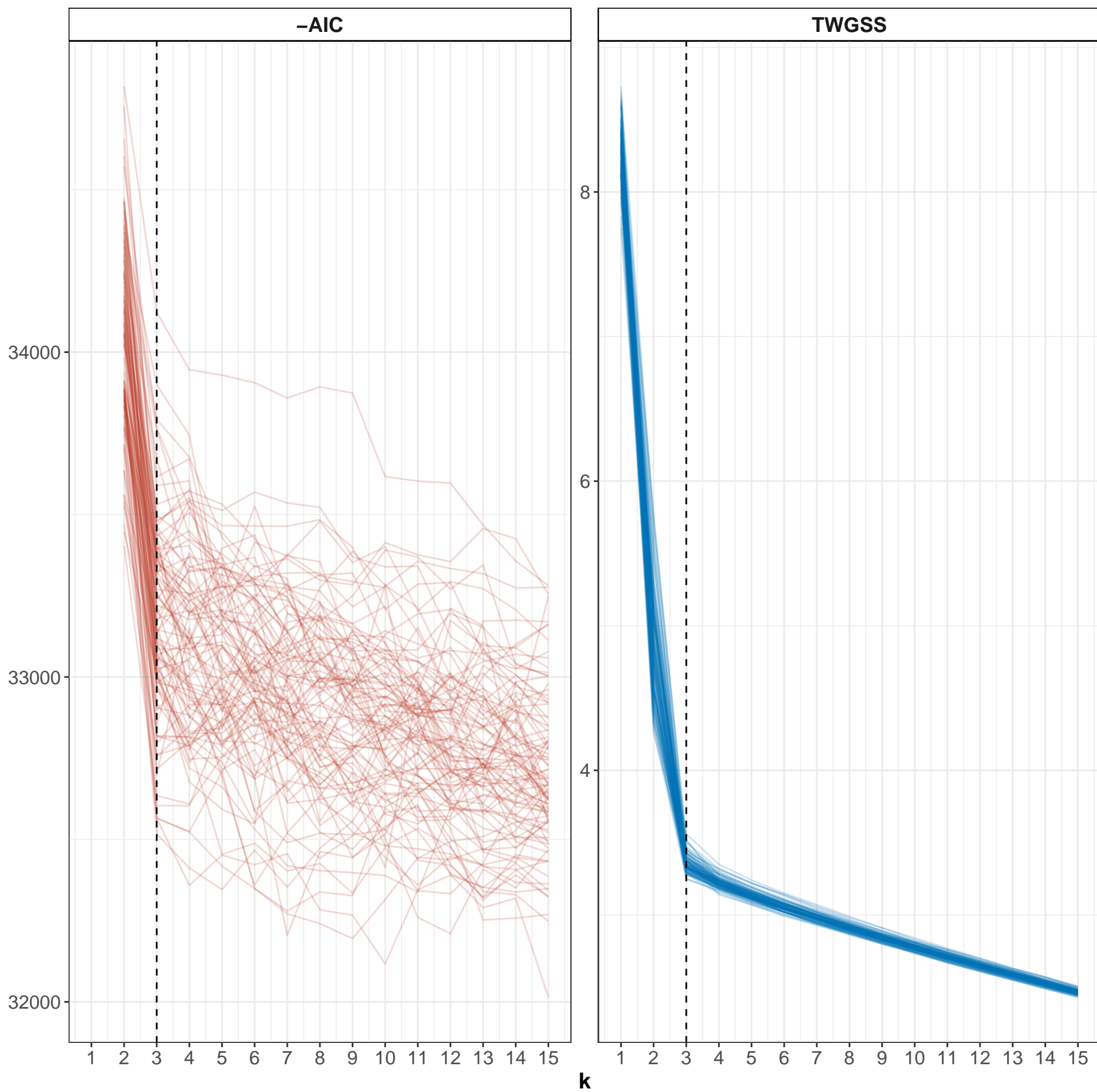
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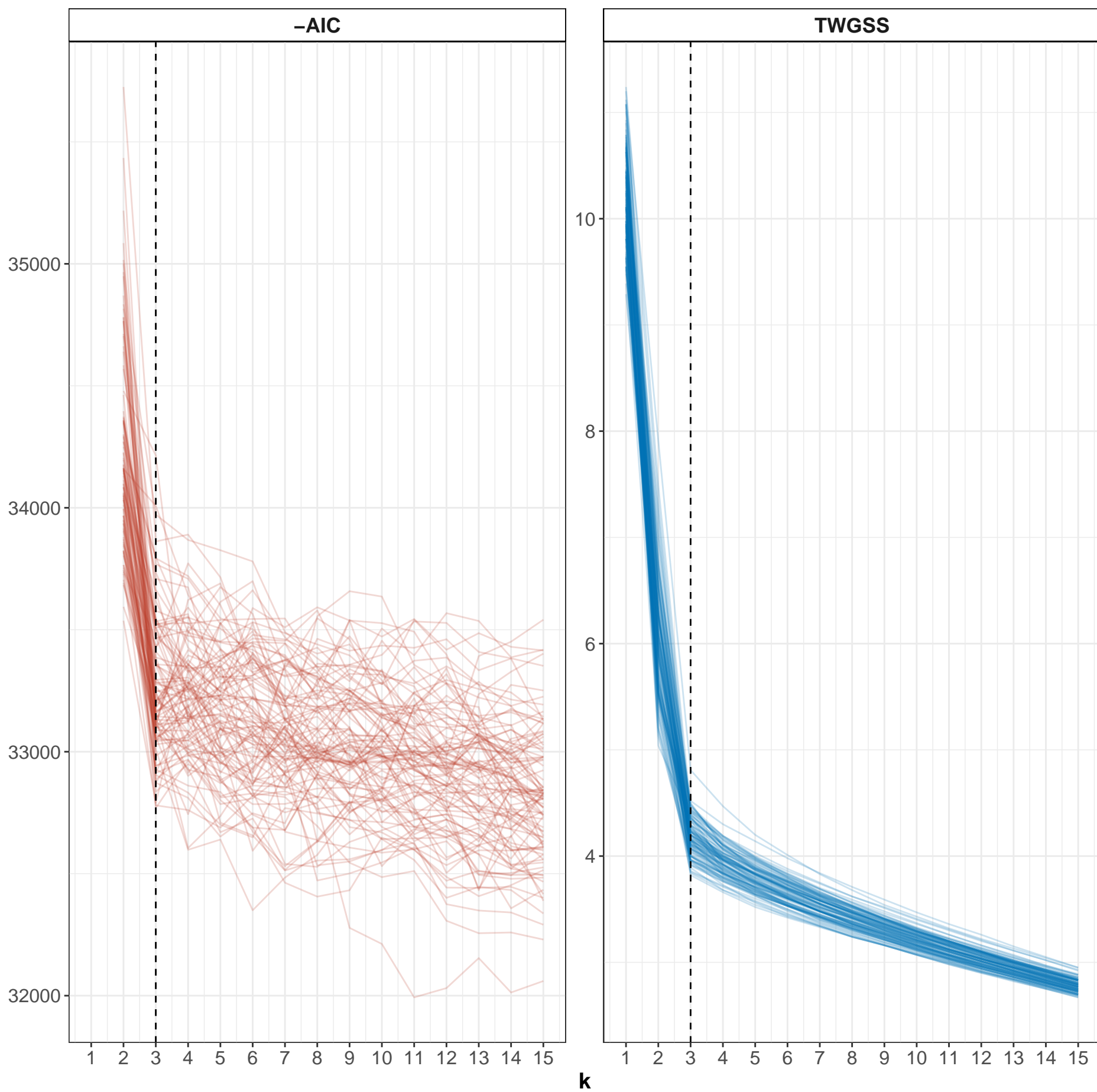
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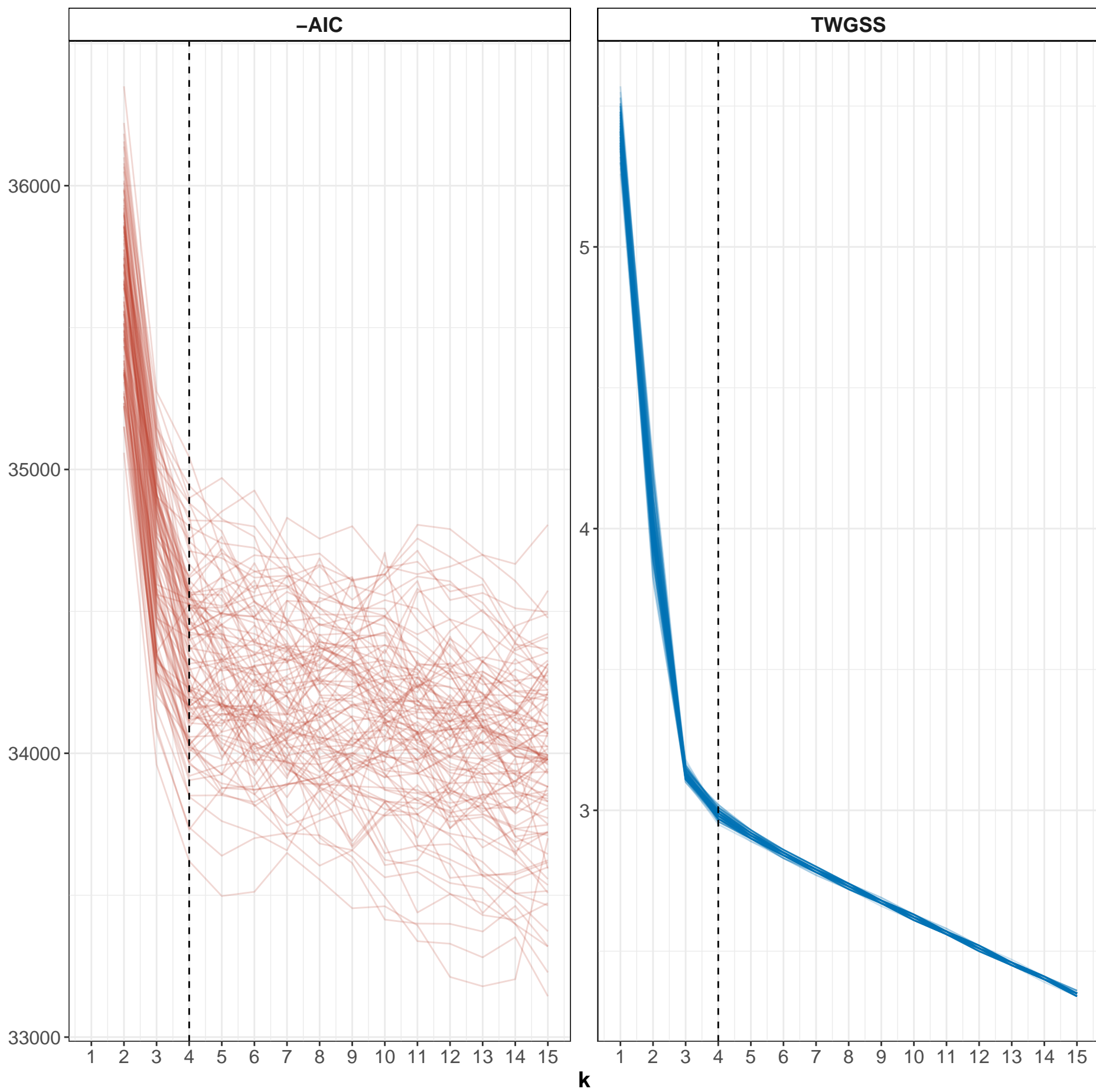
Elbow Plots for AIC and TWGSS, true $k = 3$, DQU = 95%, $n_{\text{sim}} = 100$



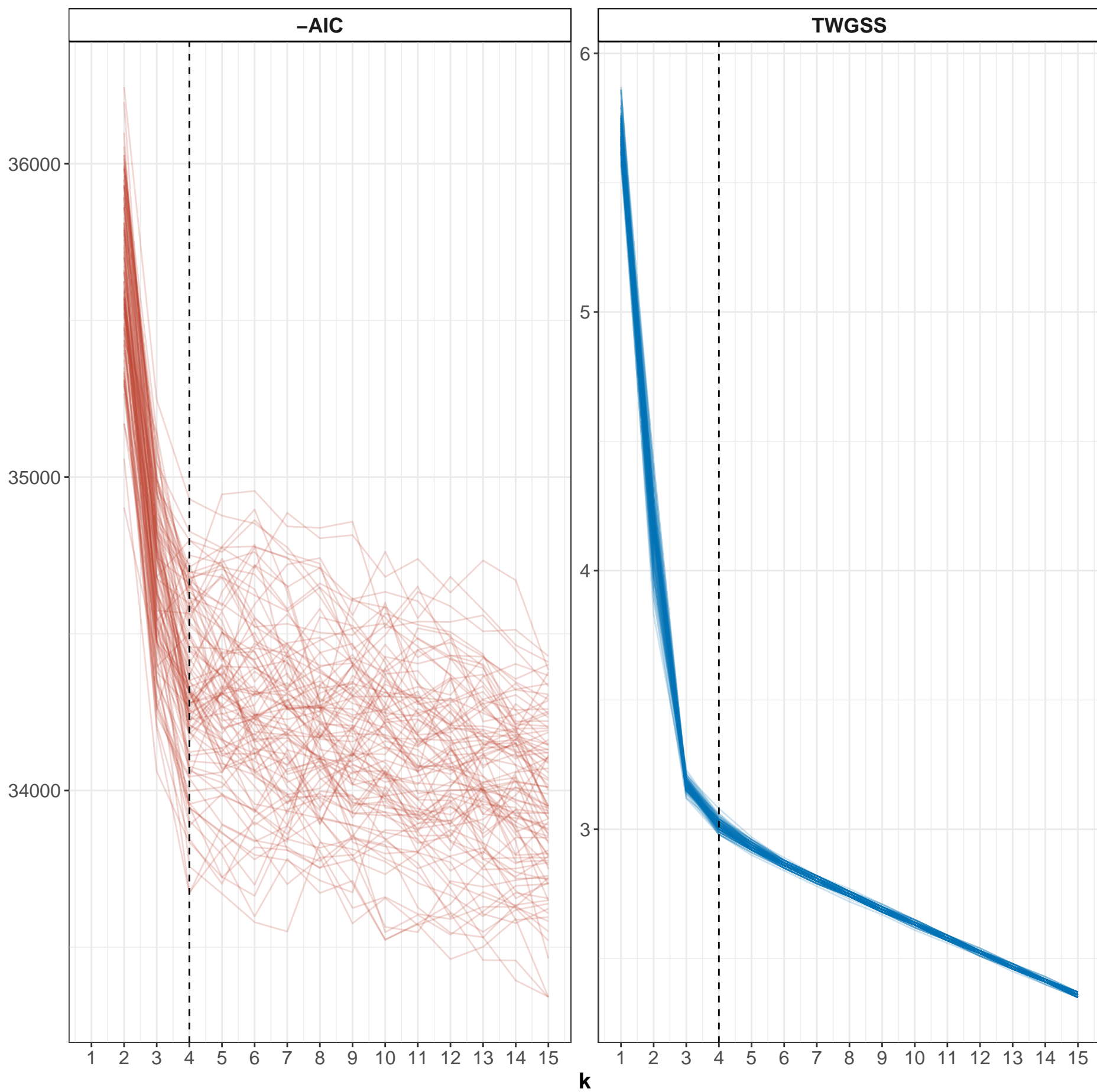
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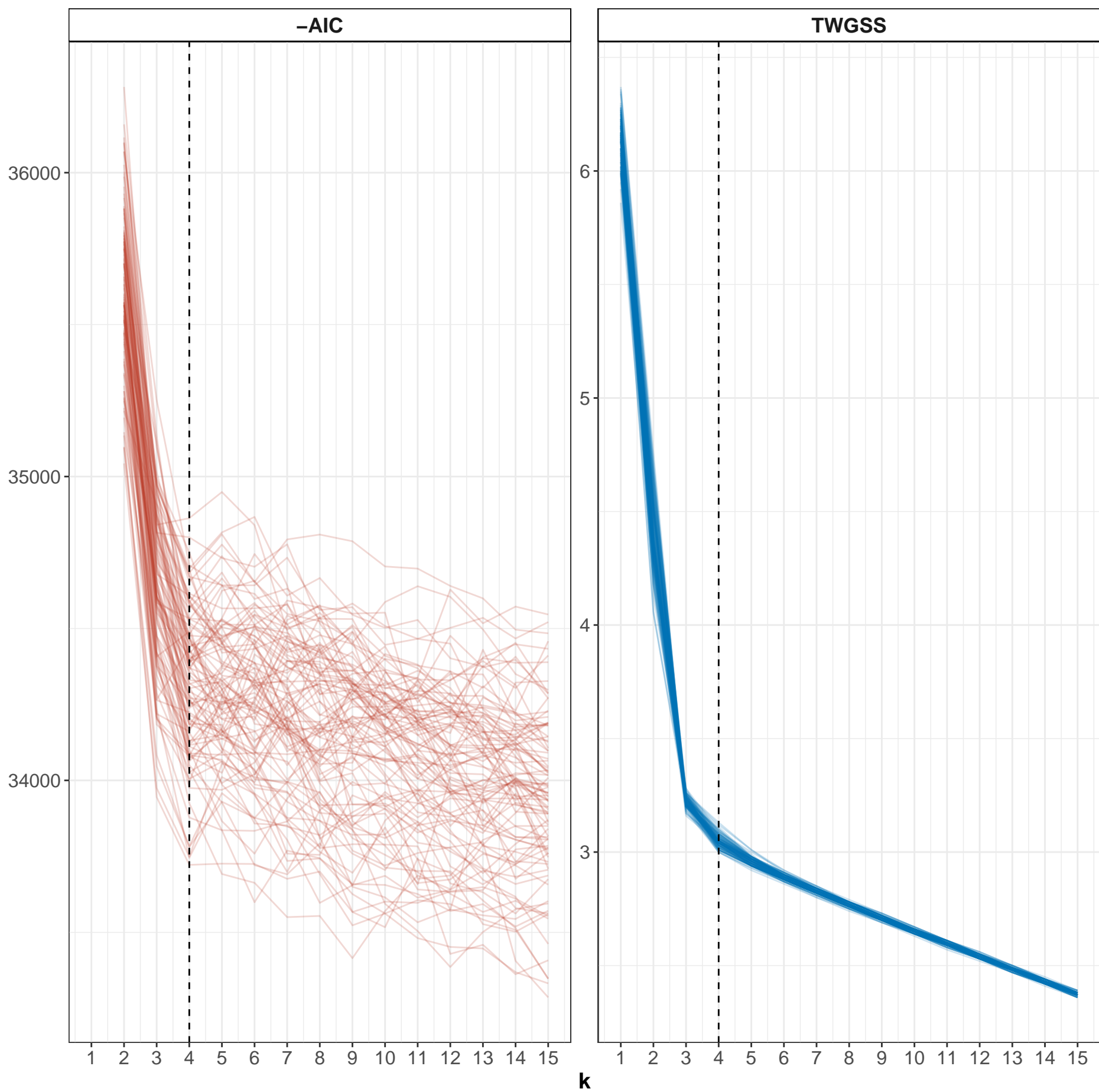
Elbow Plots for AIC and TWGSS, true $k = 4$, DQU = 85%, $n_{\text{sim}} = 100$



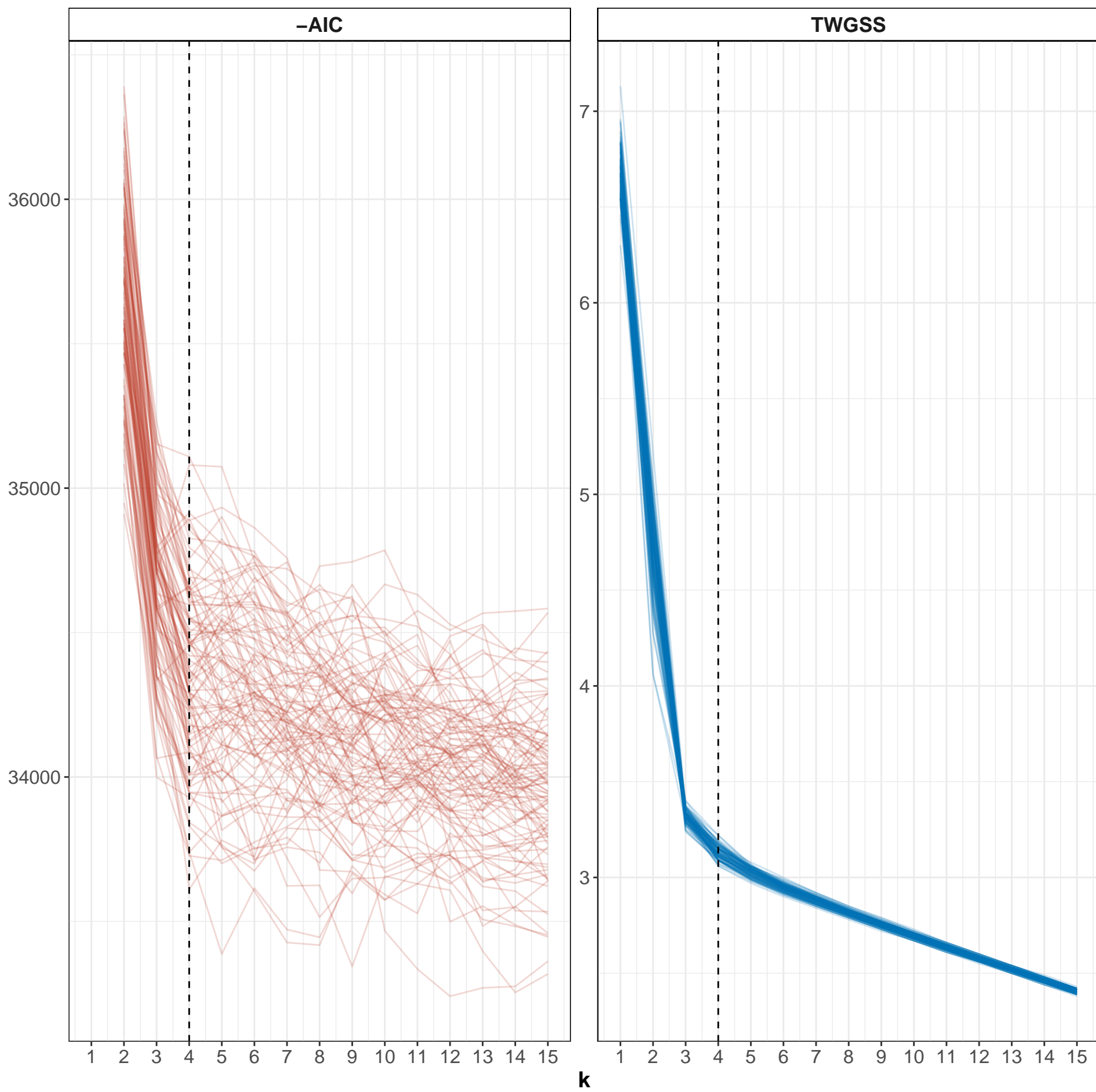
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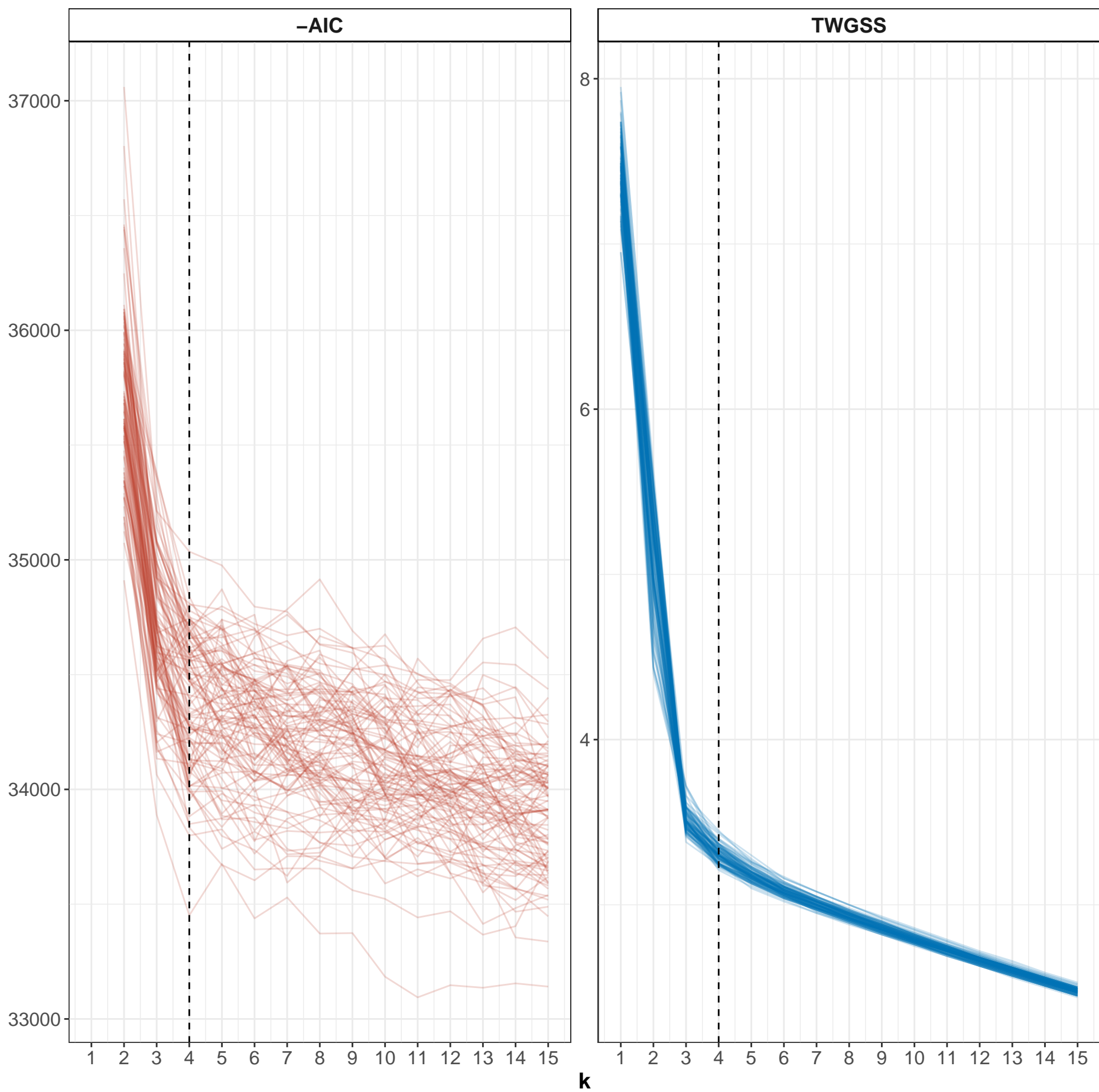
Elbow Plots for AIC and TWGSS, true $k = 4$, DQU = 90%, $n_{\text{sim}} = 100$



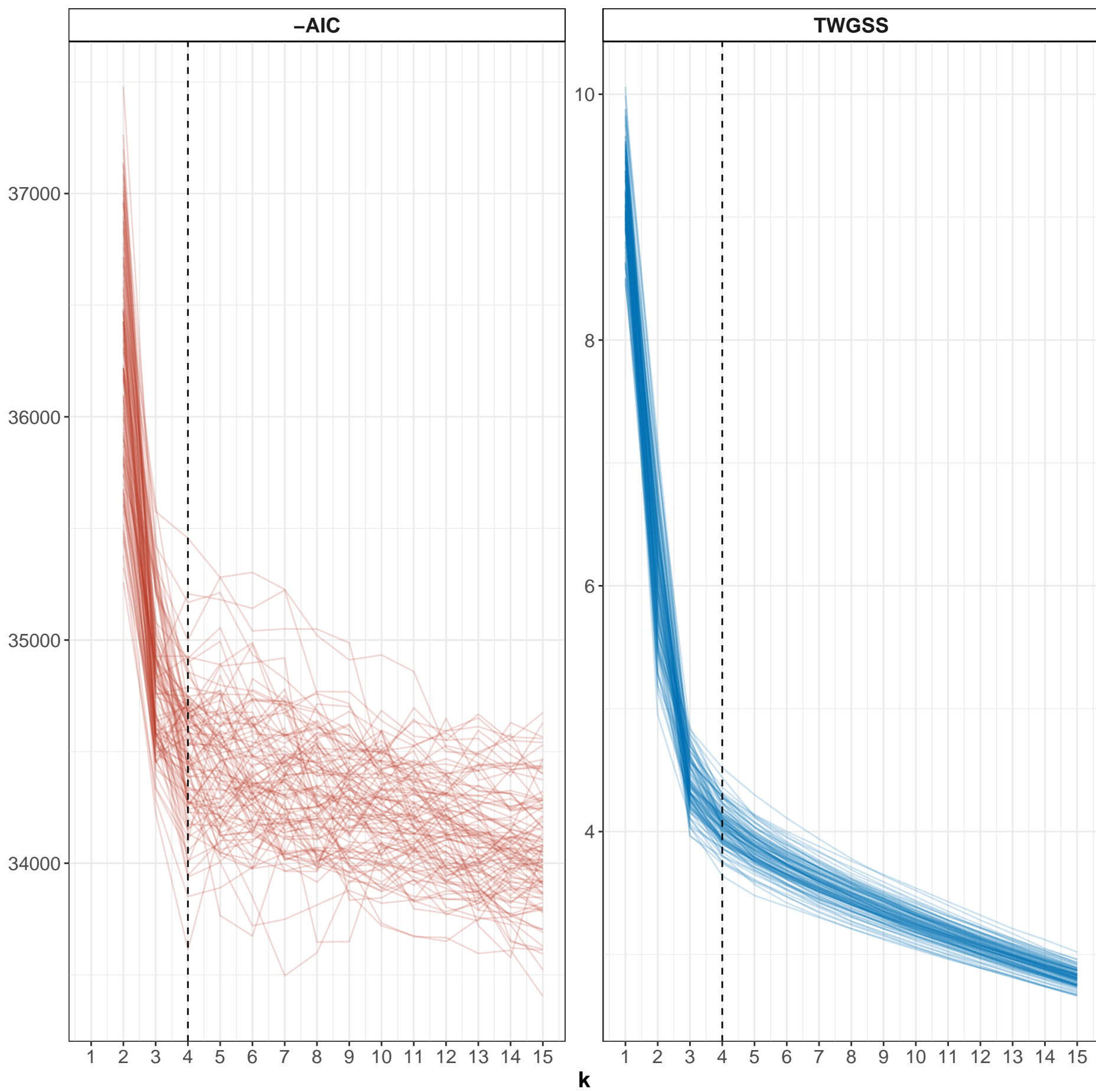
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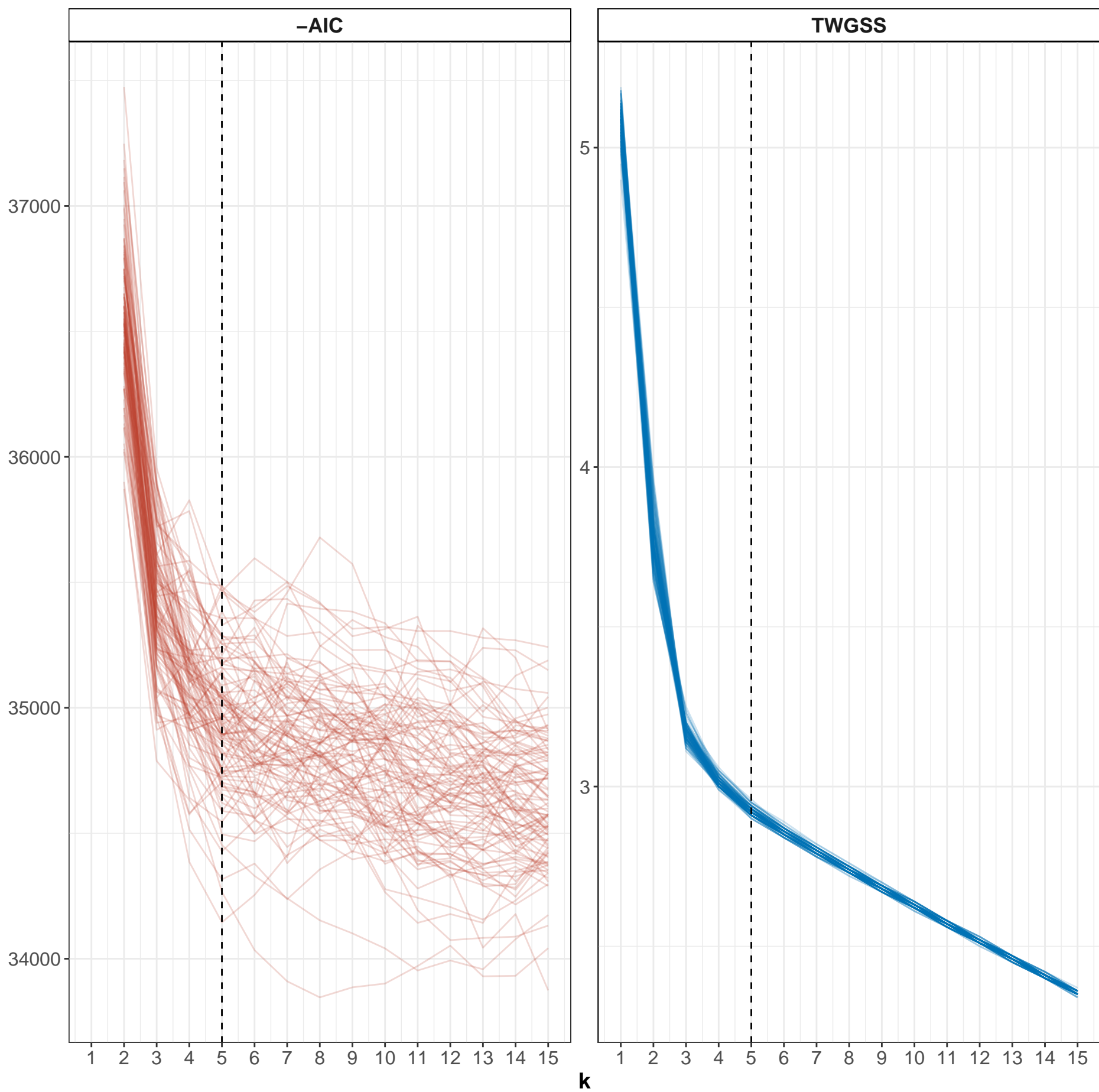
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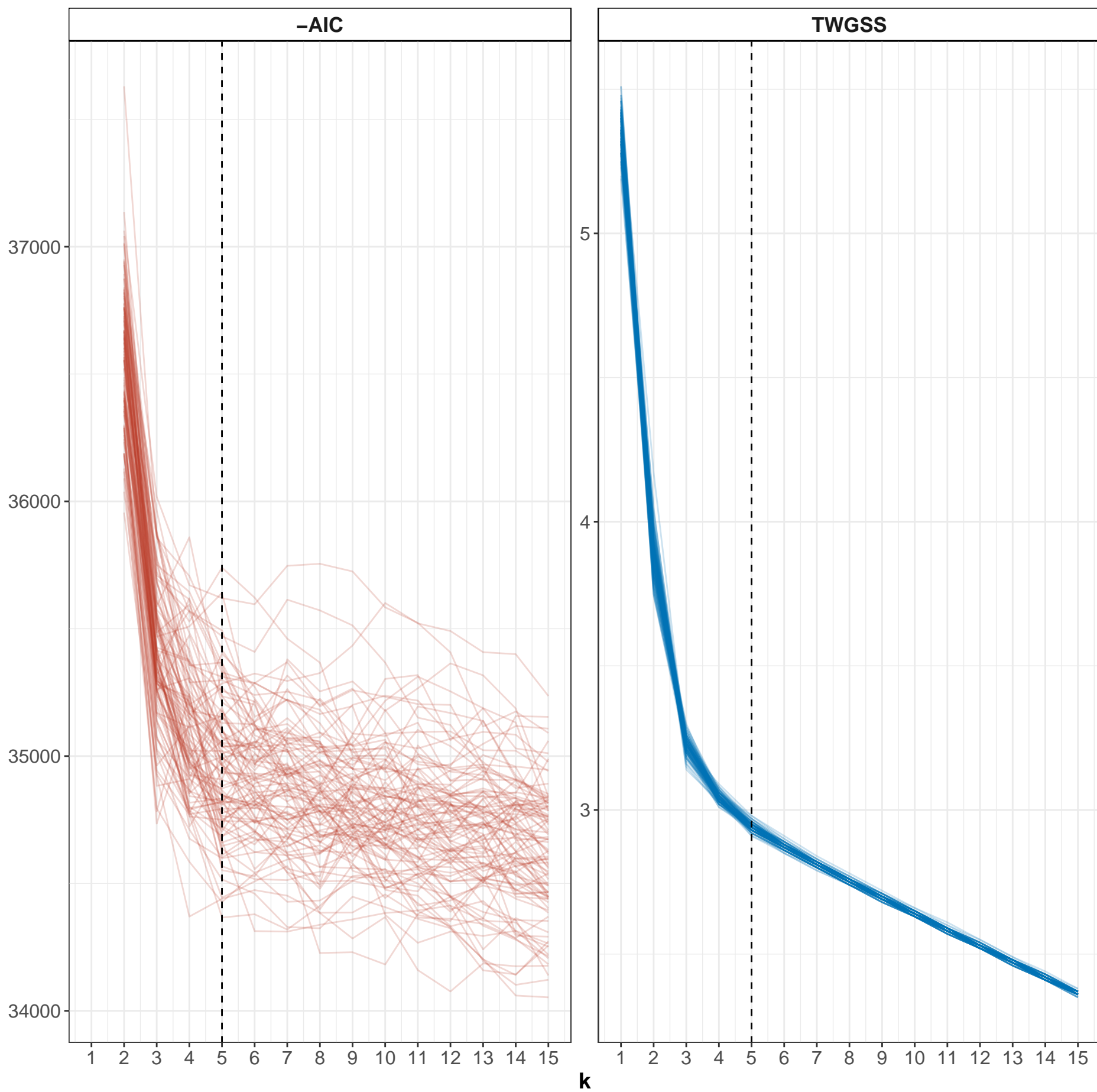
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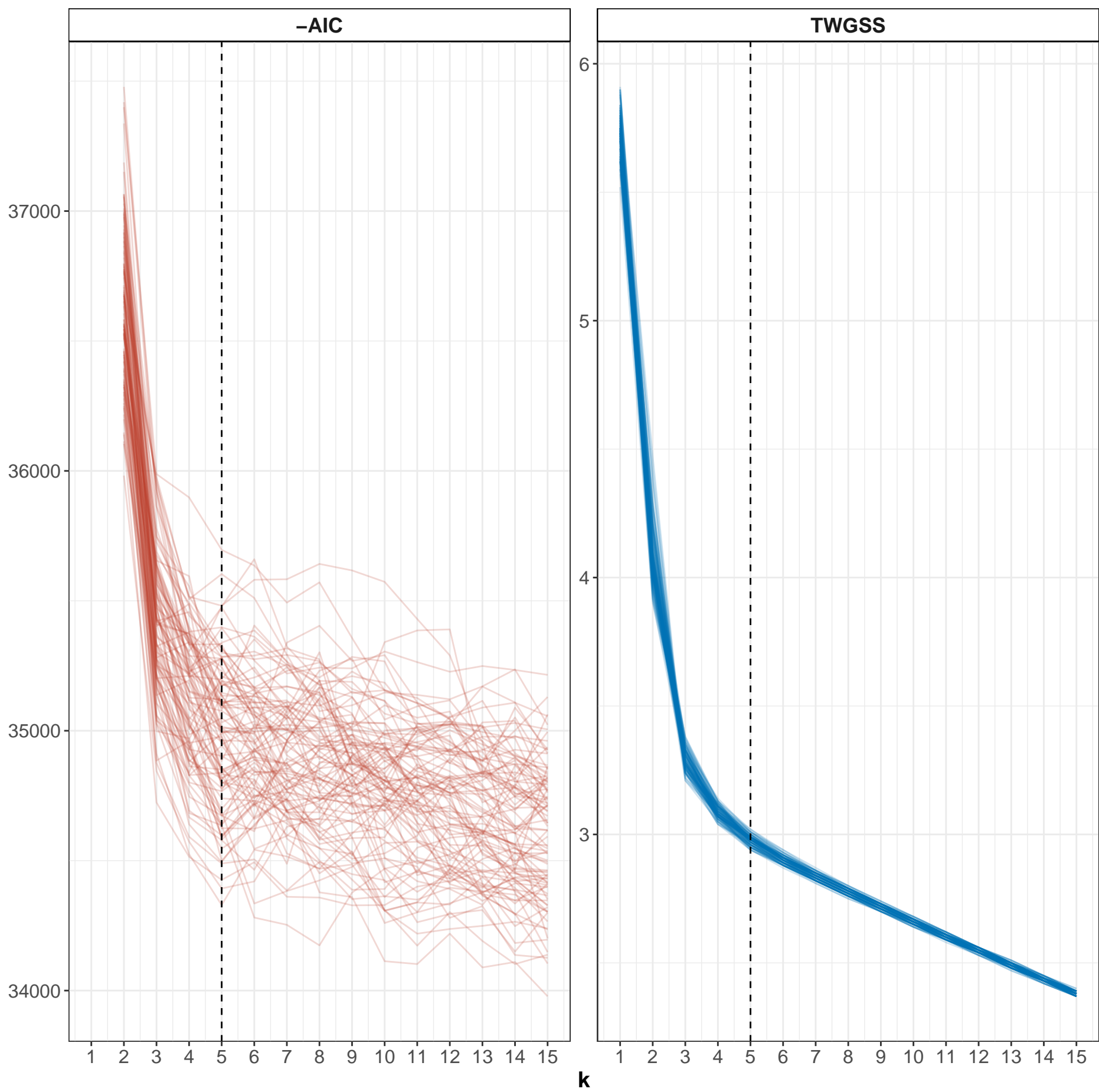
Elbow Plots for AIC and TWGSS, true $k = 5$, DQU = 85%, $n_{\text{sim}} = 100$



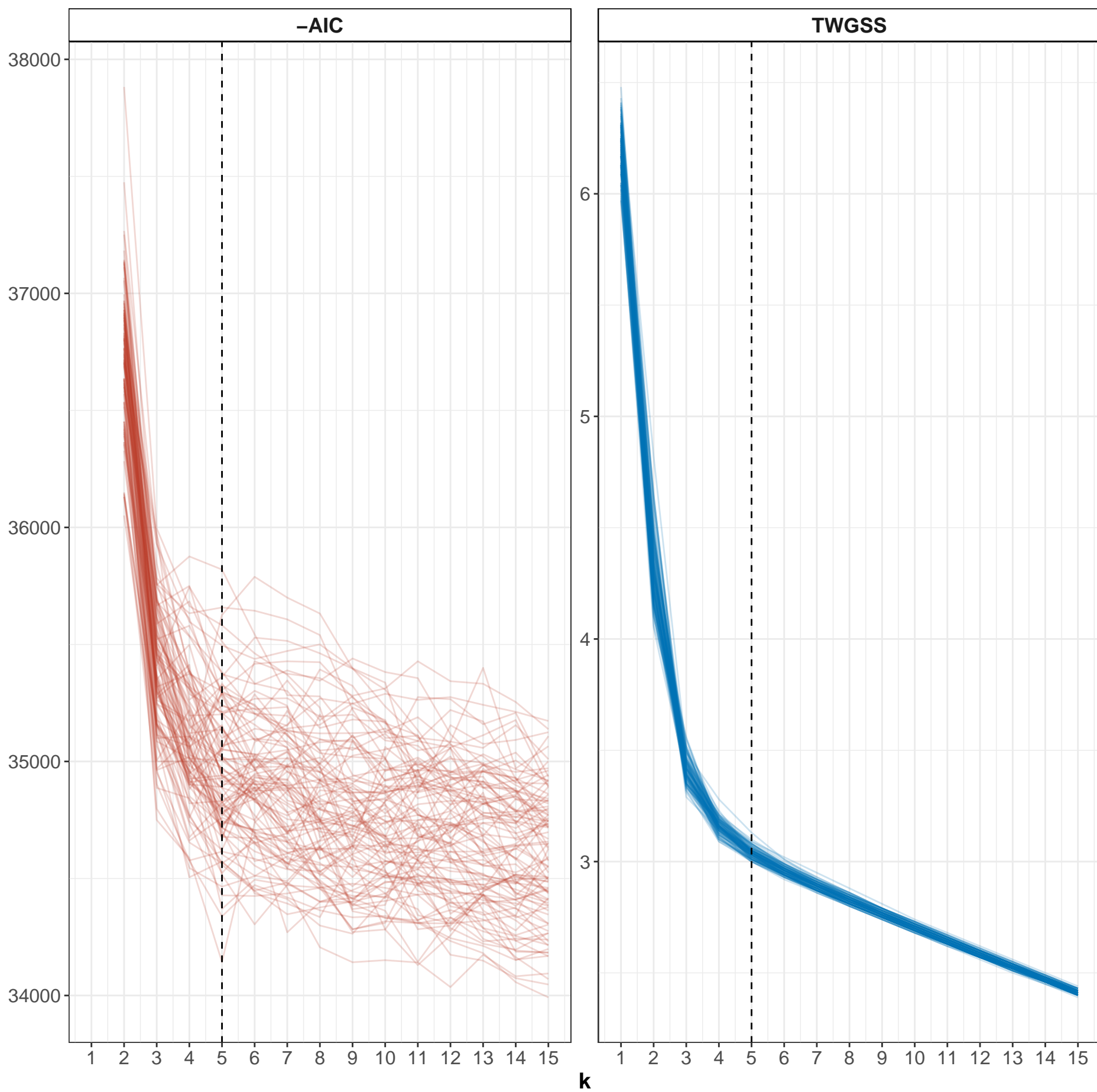
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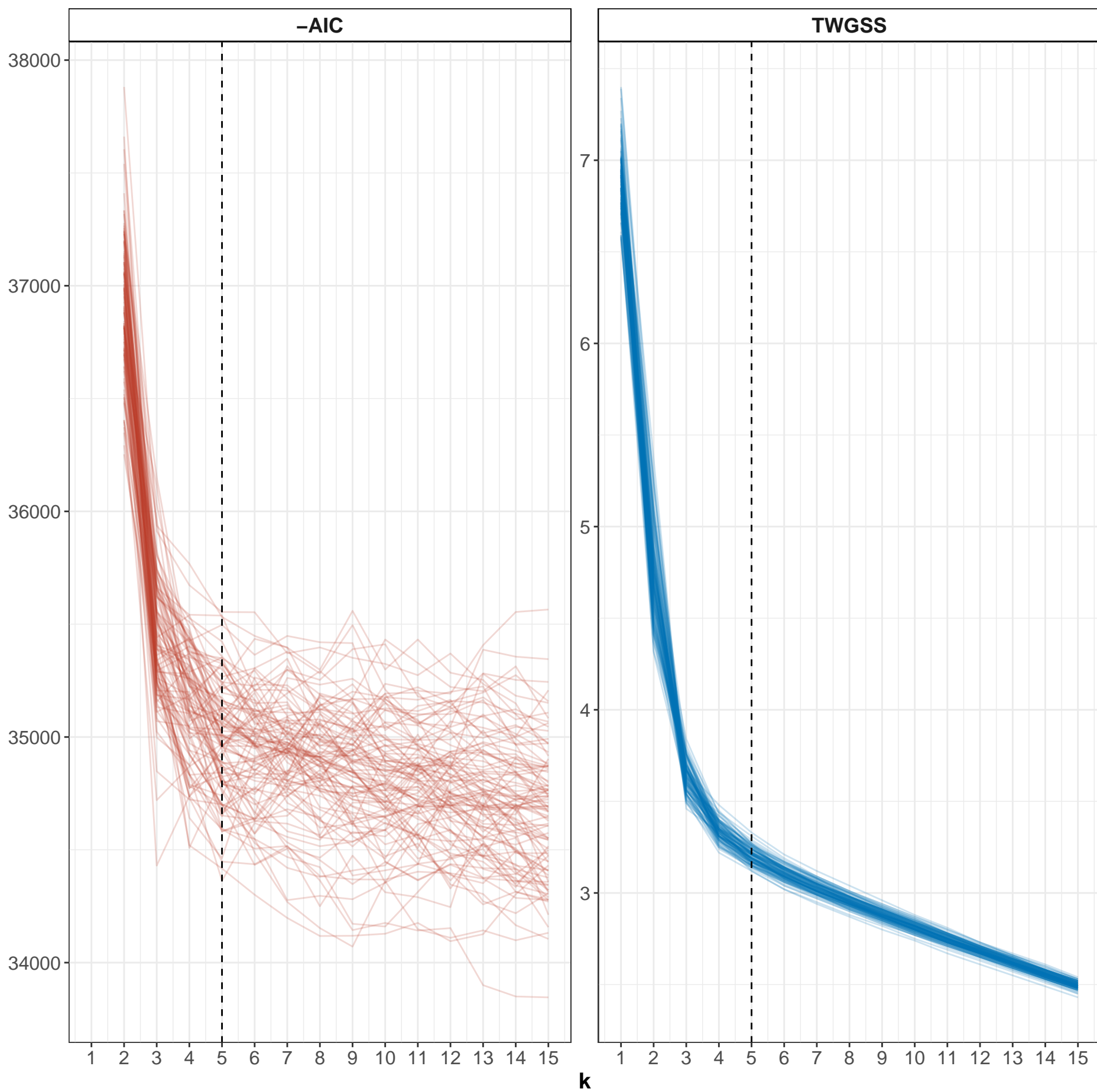
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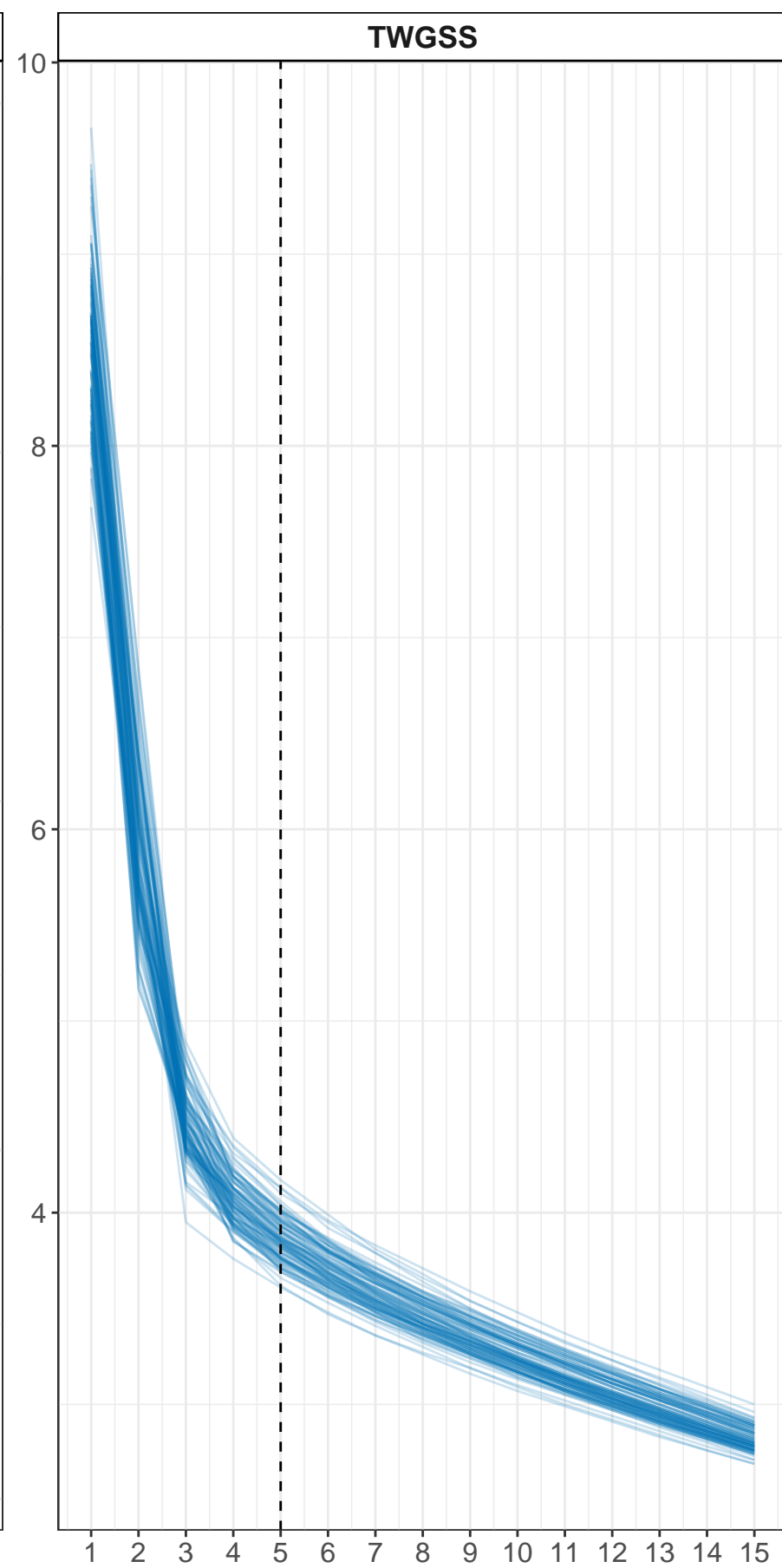
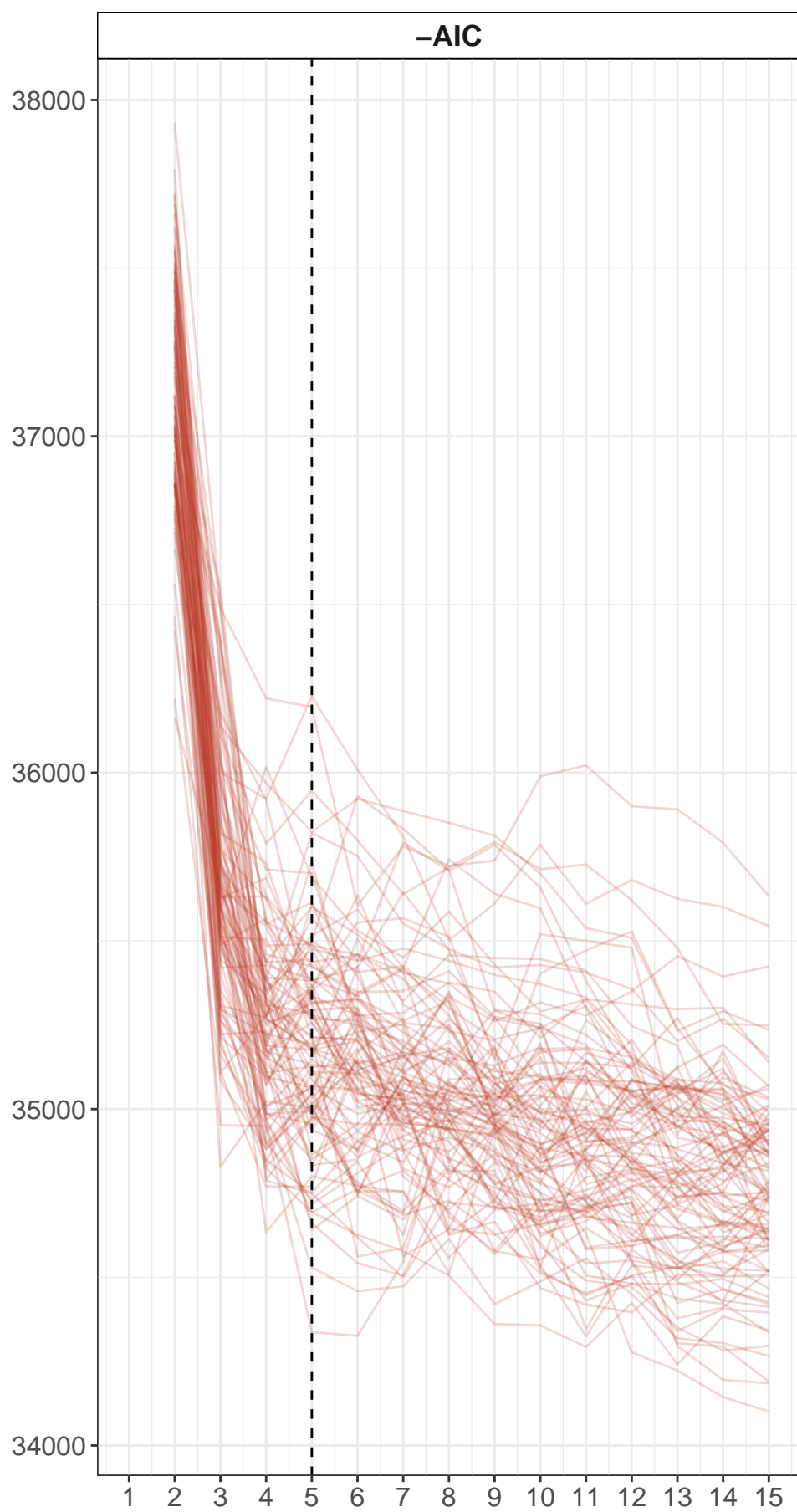
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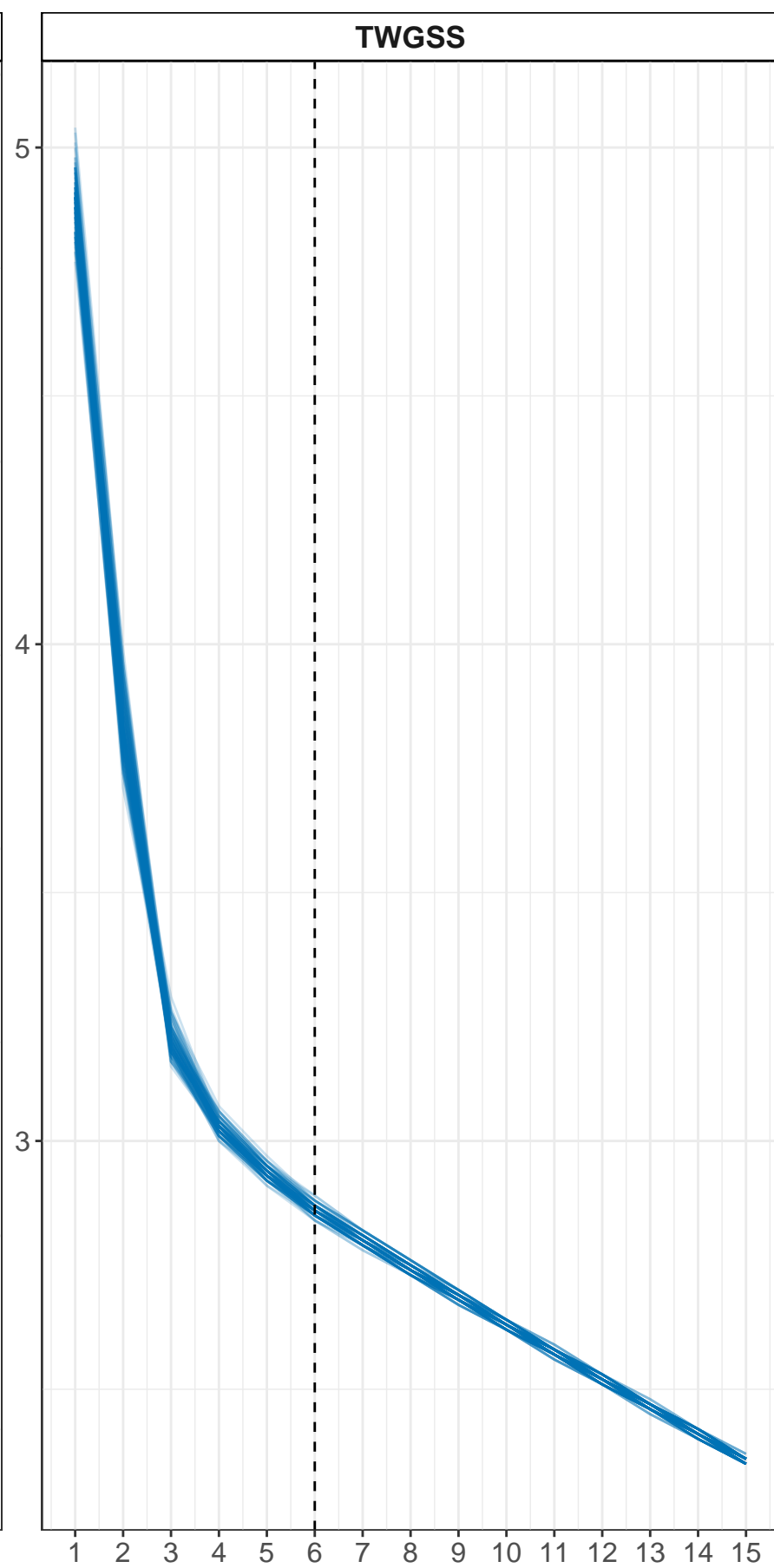
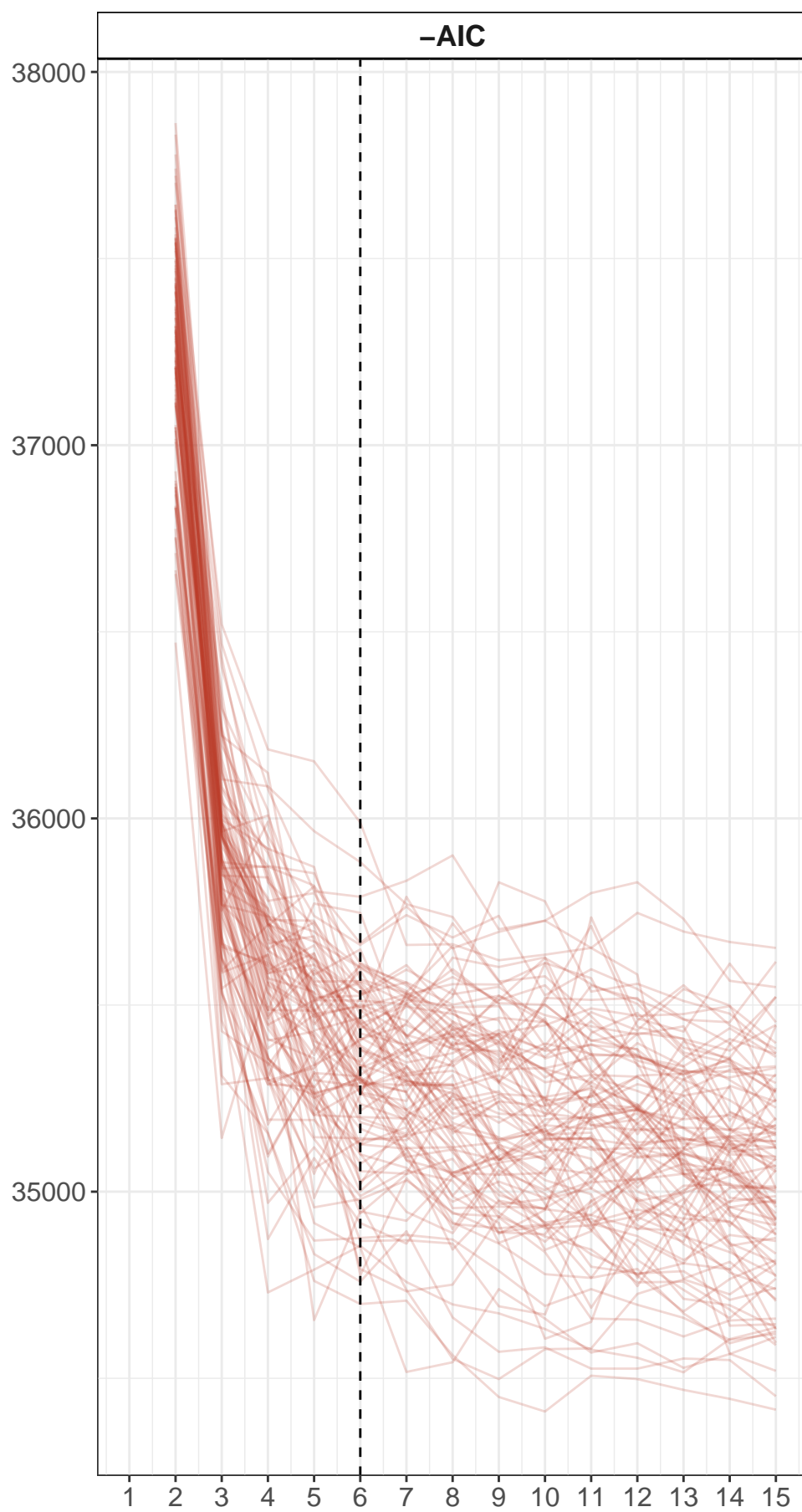
Elbow Plots for AIC and TWGSS, true $k = 5$, DQU = 95%, $n_{\text{sim}} = 100$



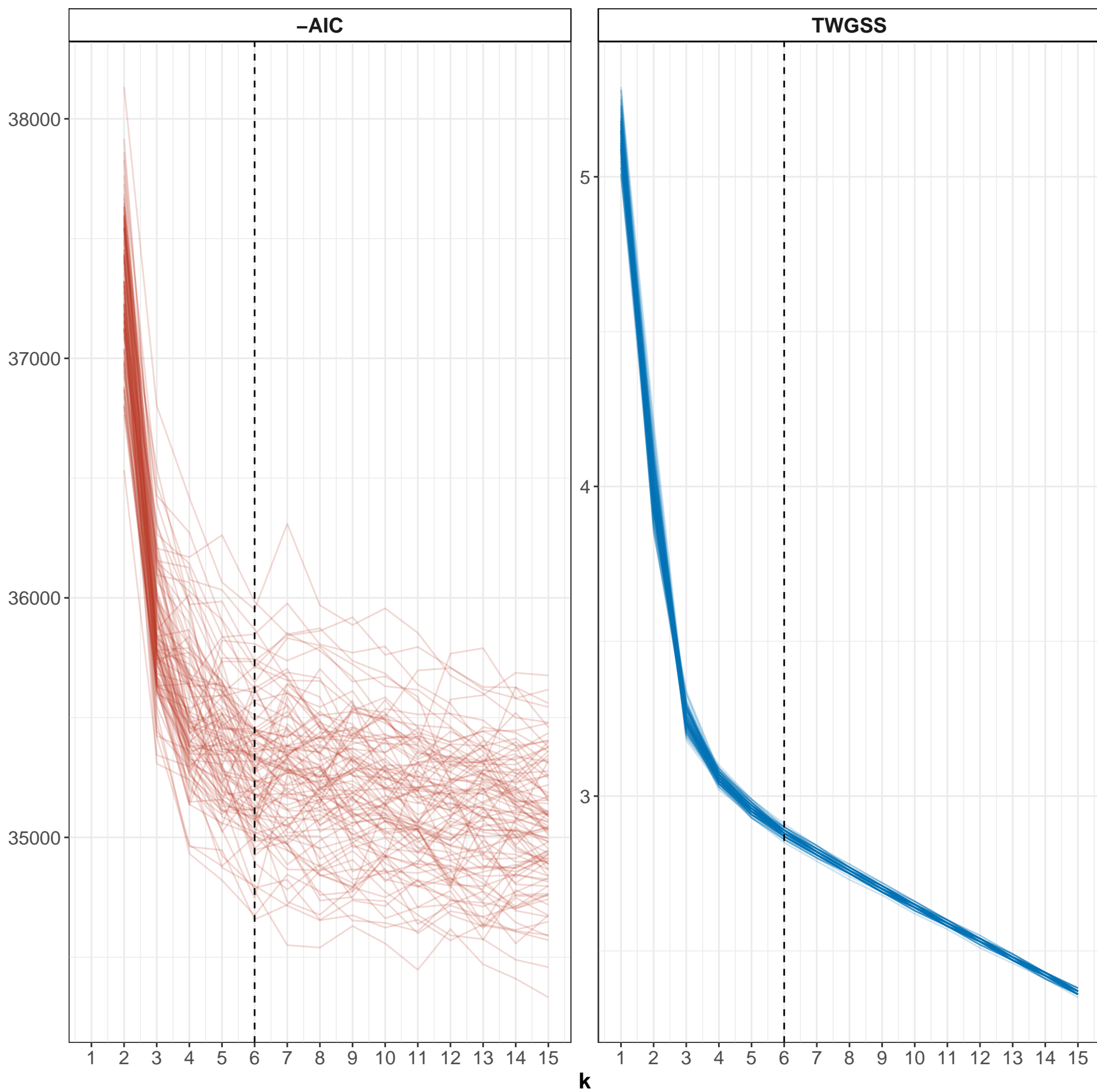
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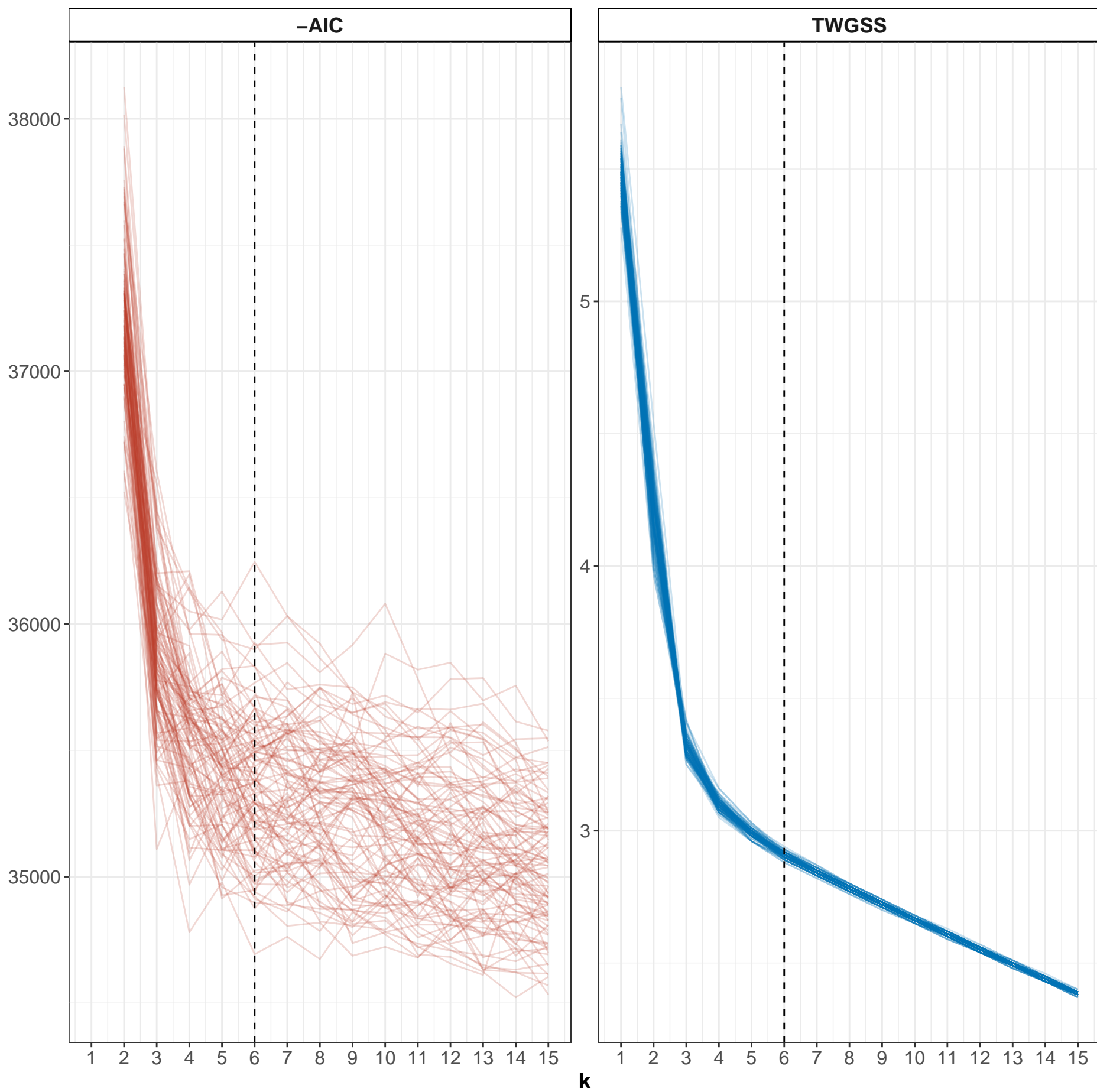
Elbow Plots for AIC and TWGSS, true $k = 6$, DQU = 85%, $n_{\text{sim}} = 100$



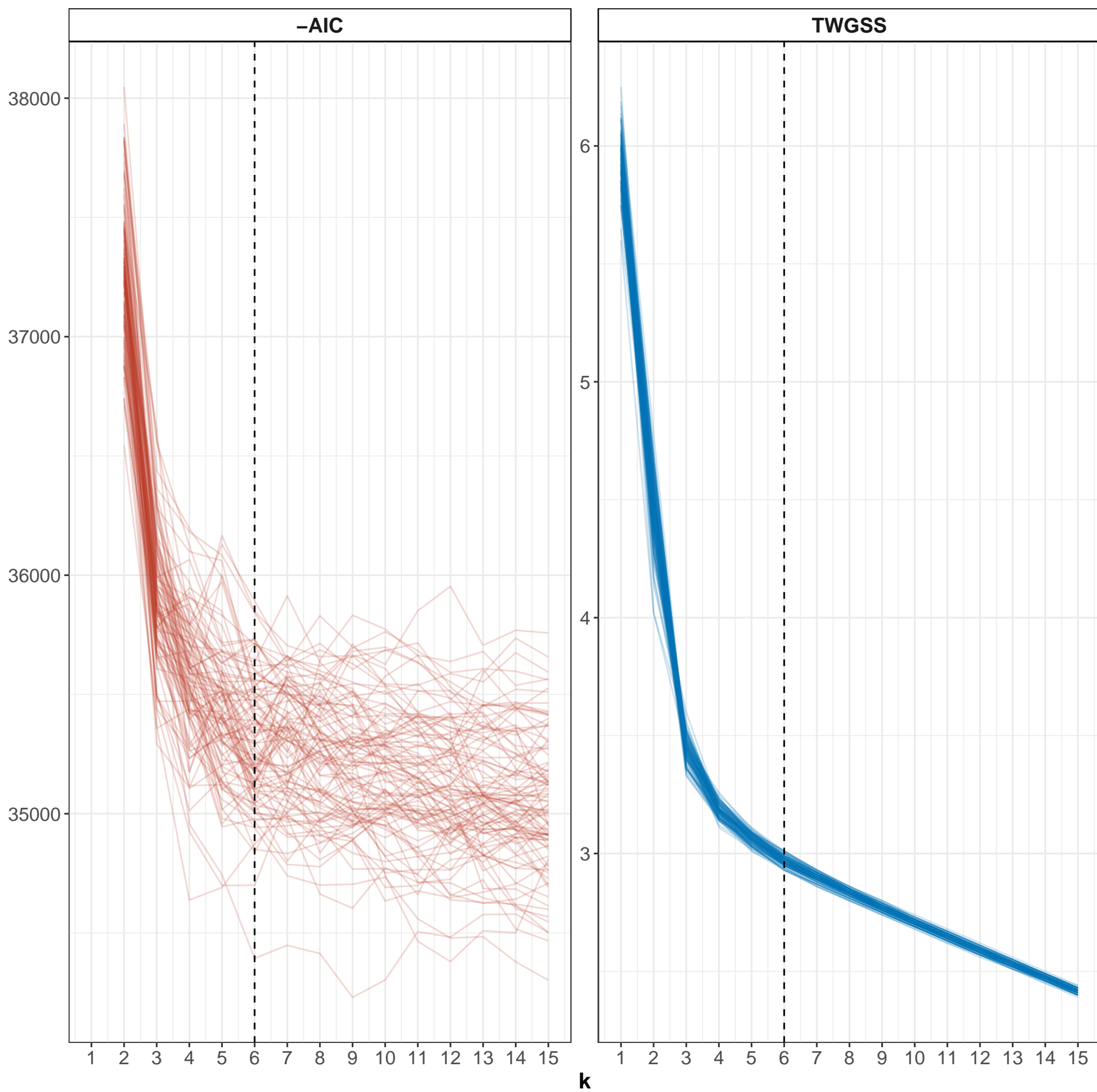
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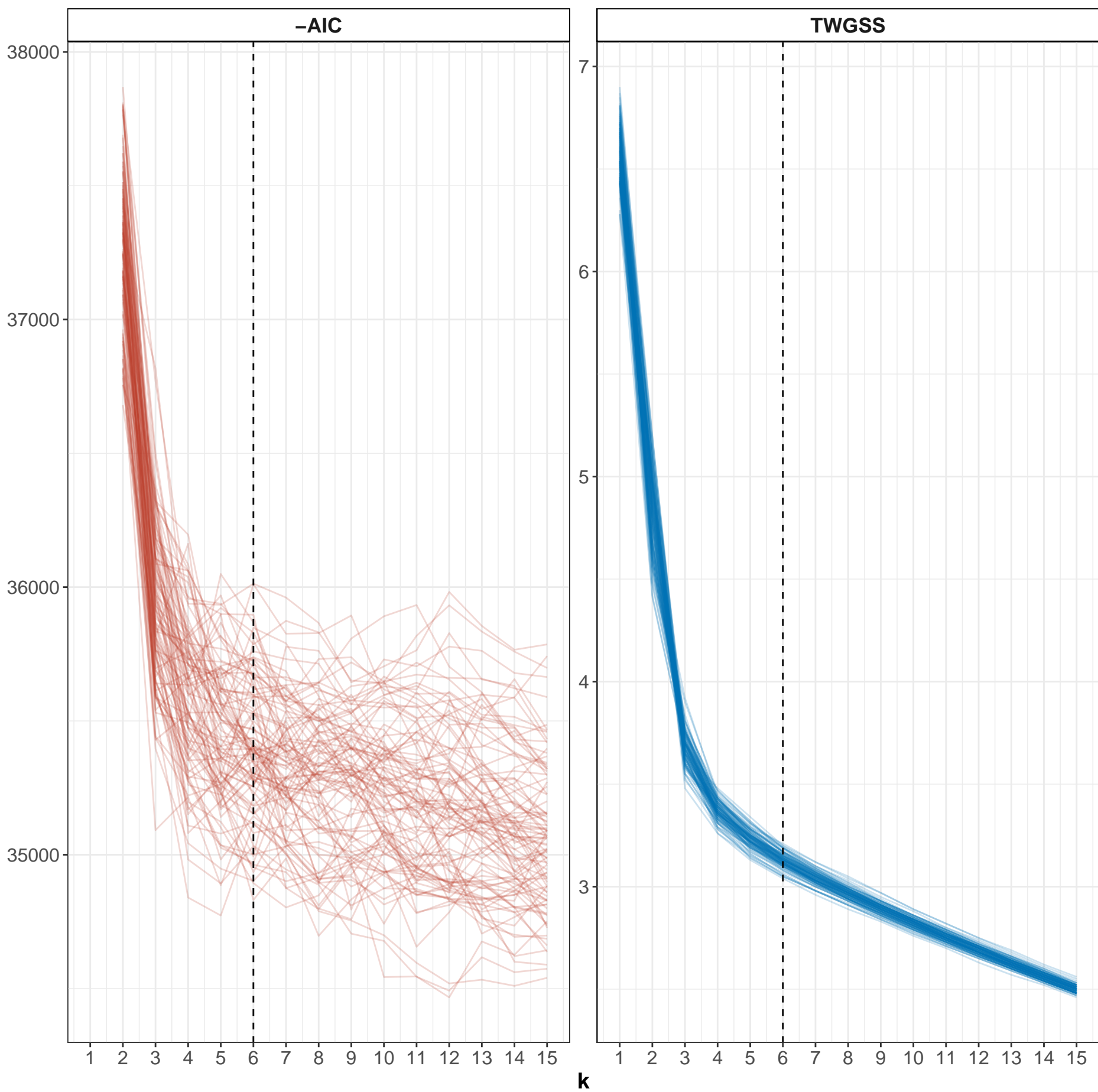
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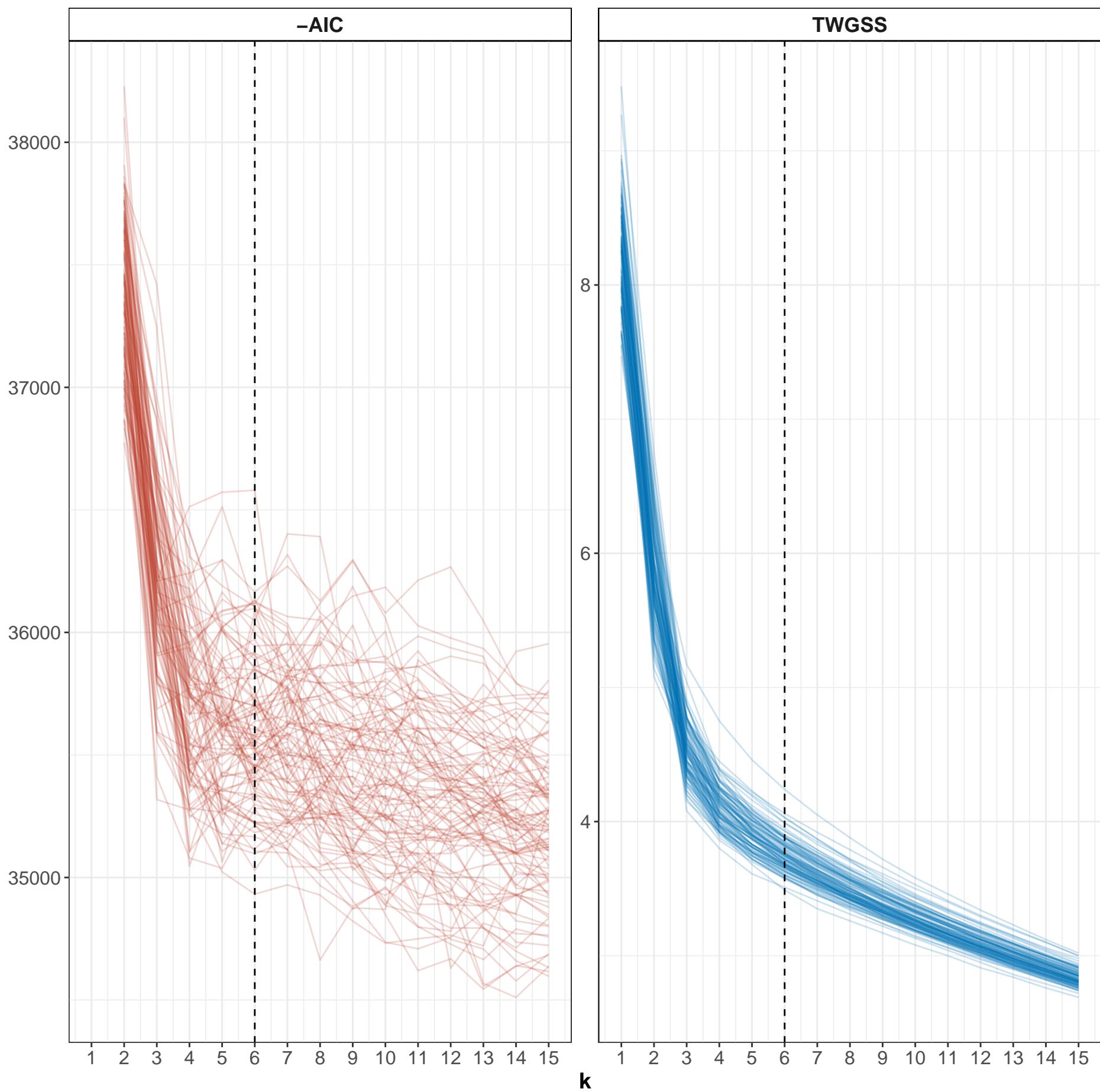
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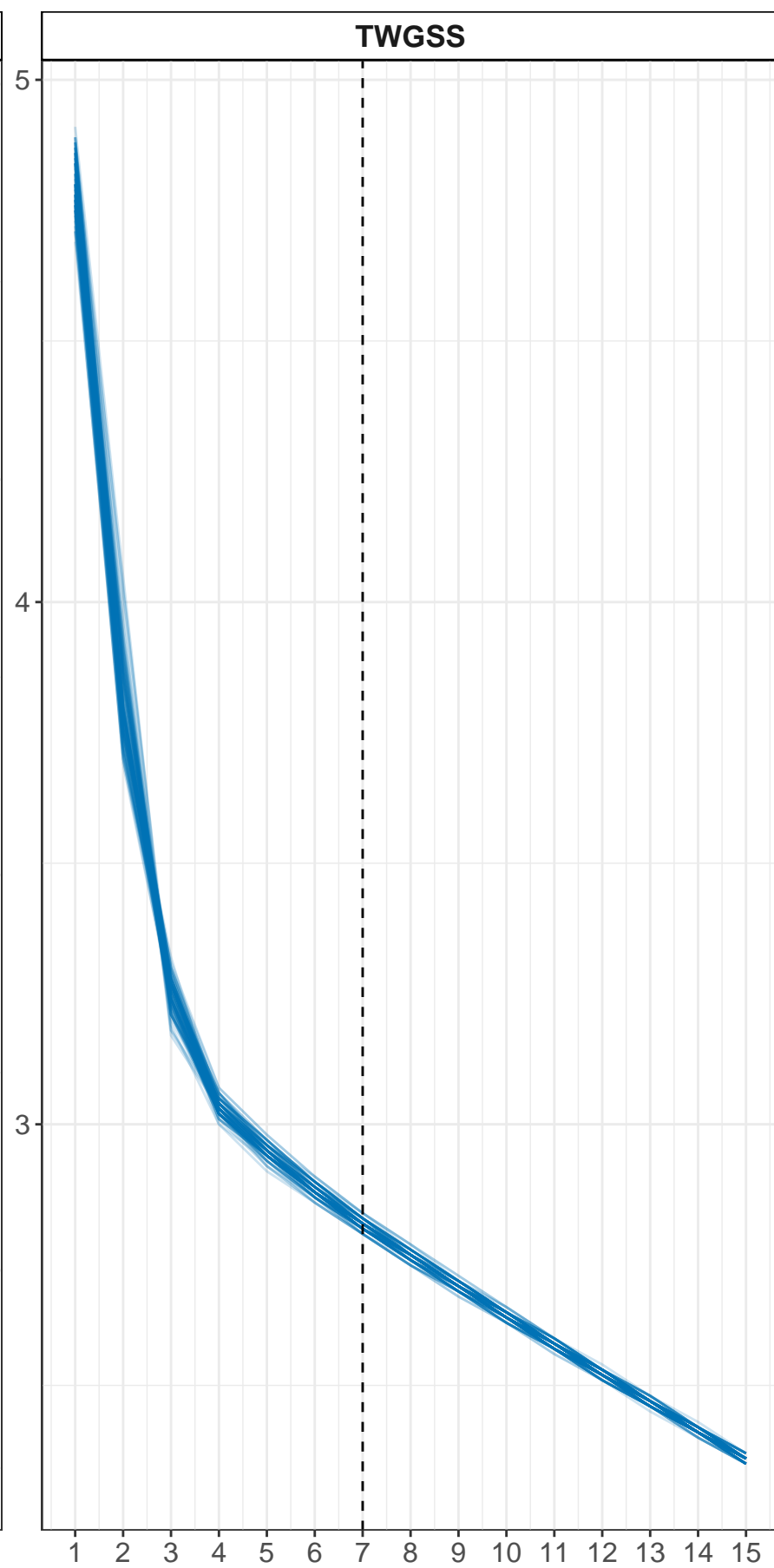
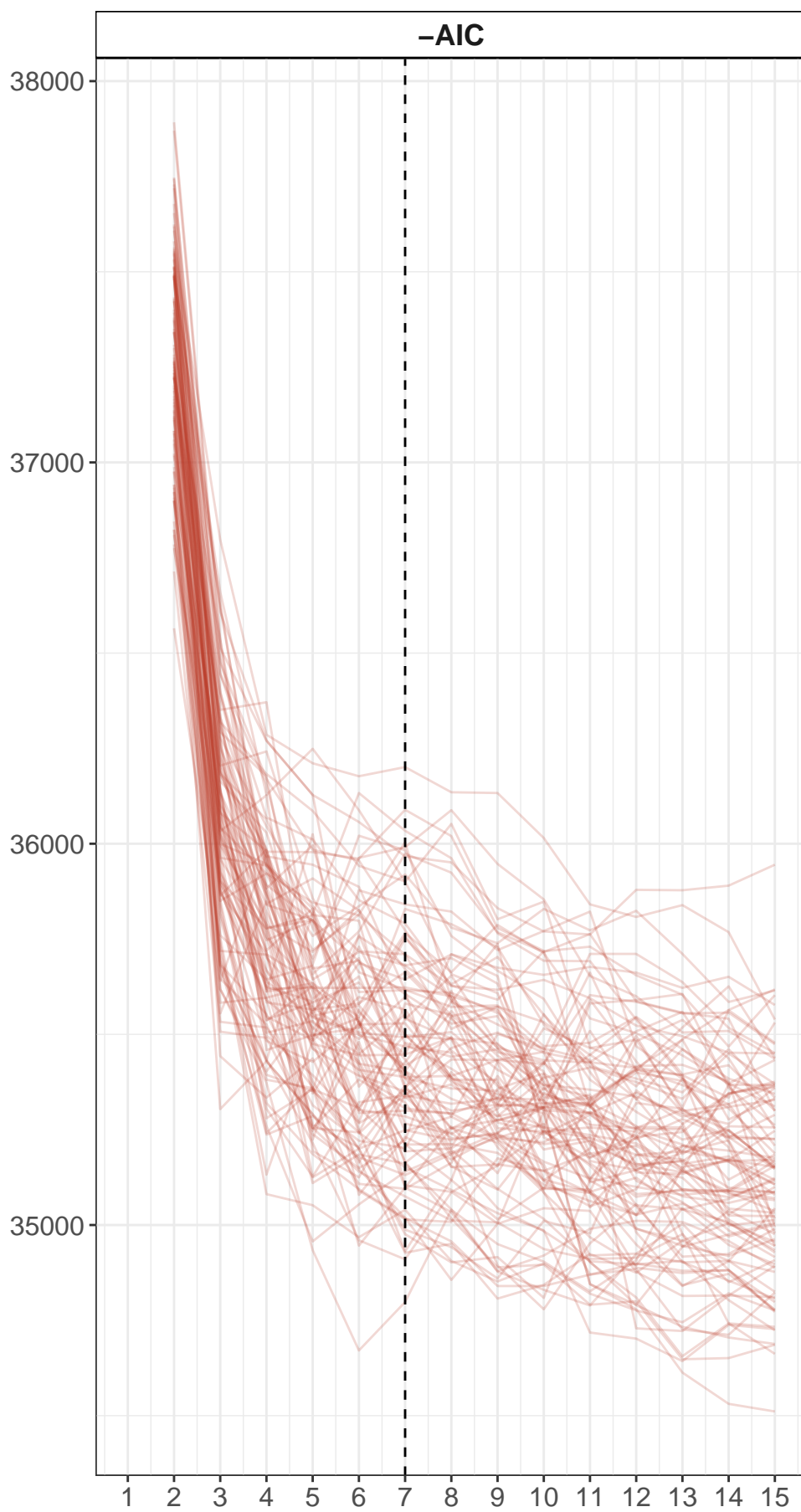
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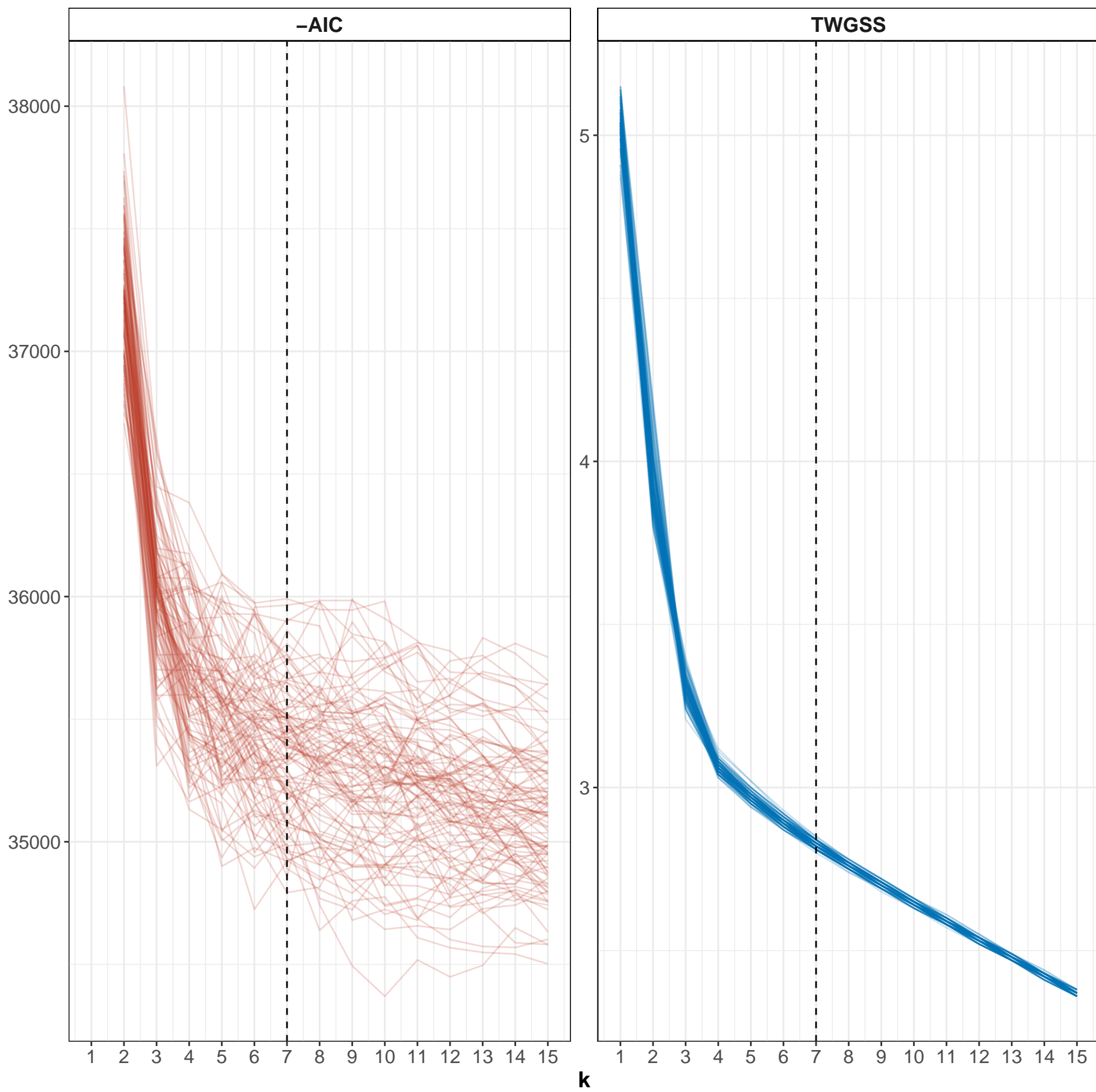
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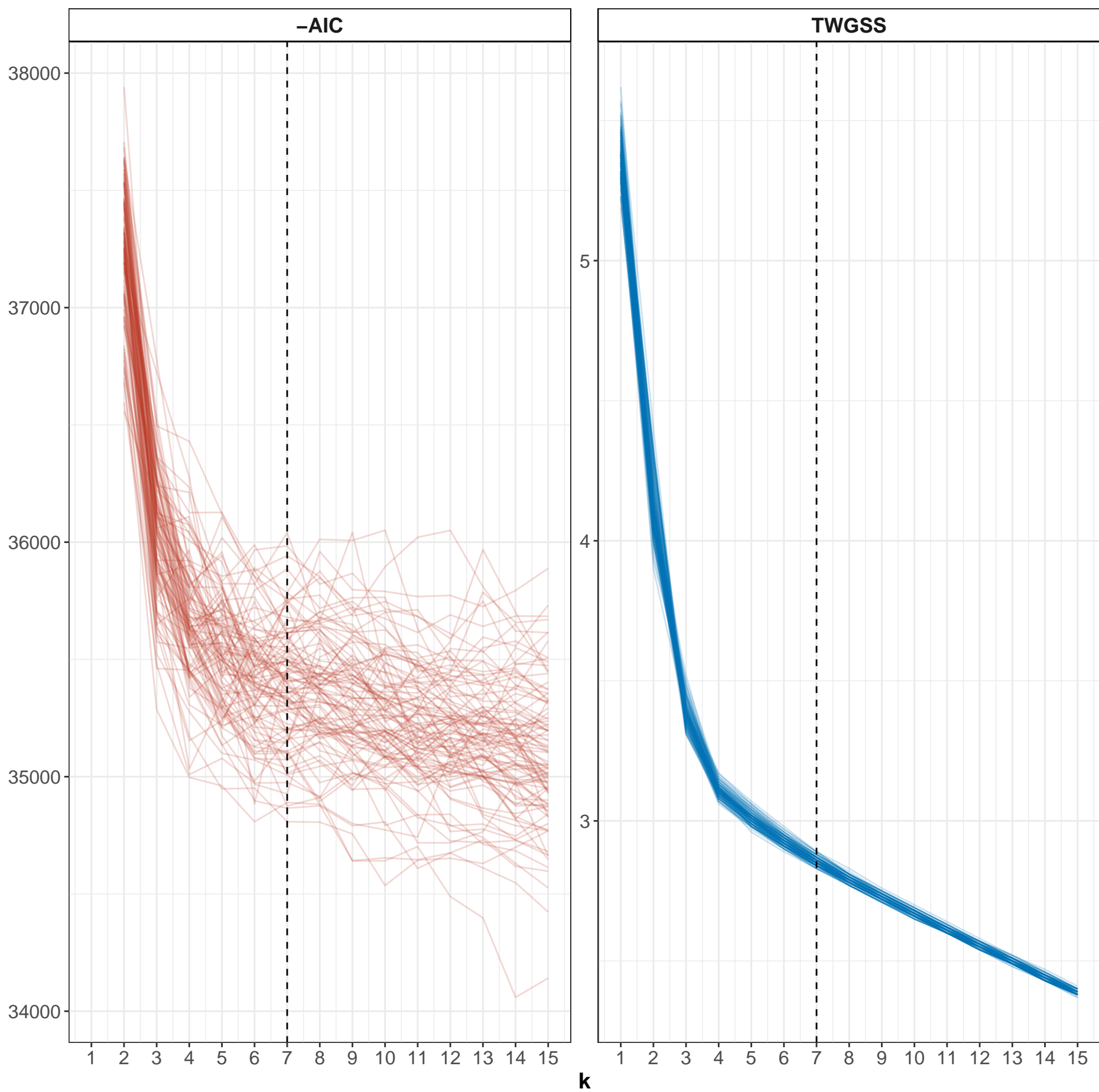
Elbow Plots for AIC and TWGSS, true $k = 7$, DQU = 85%, $n_{\text{sim}} = 100$



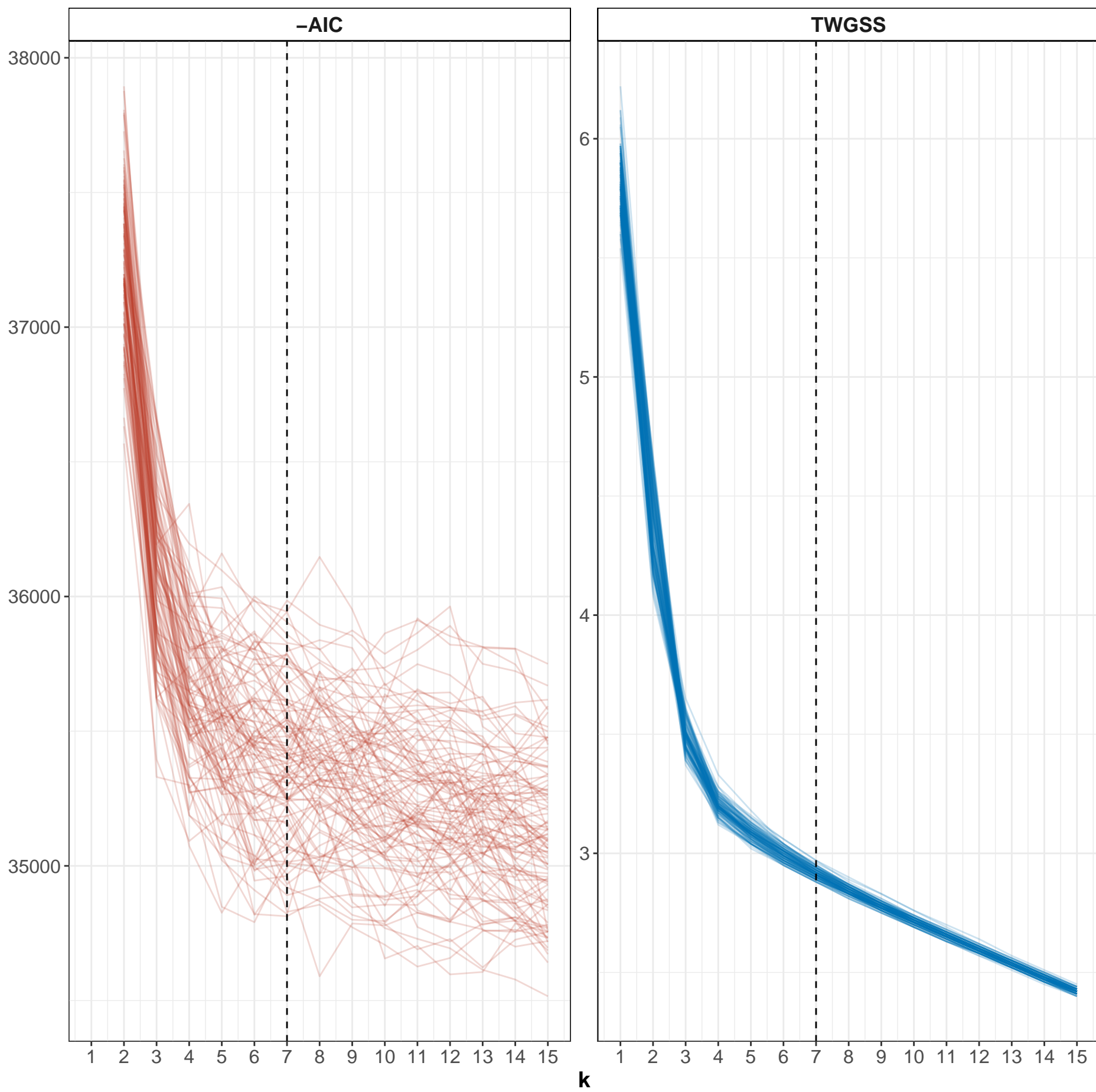
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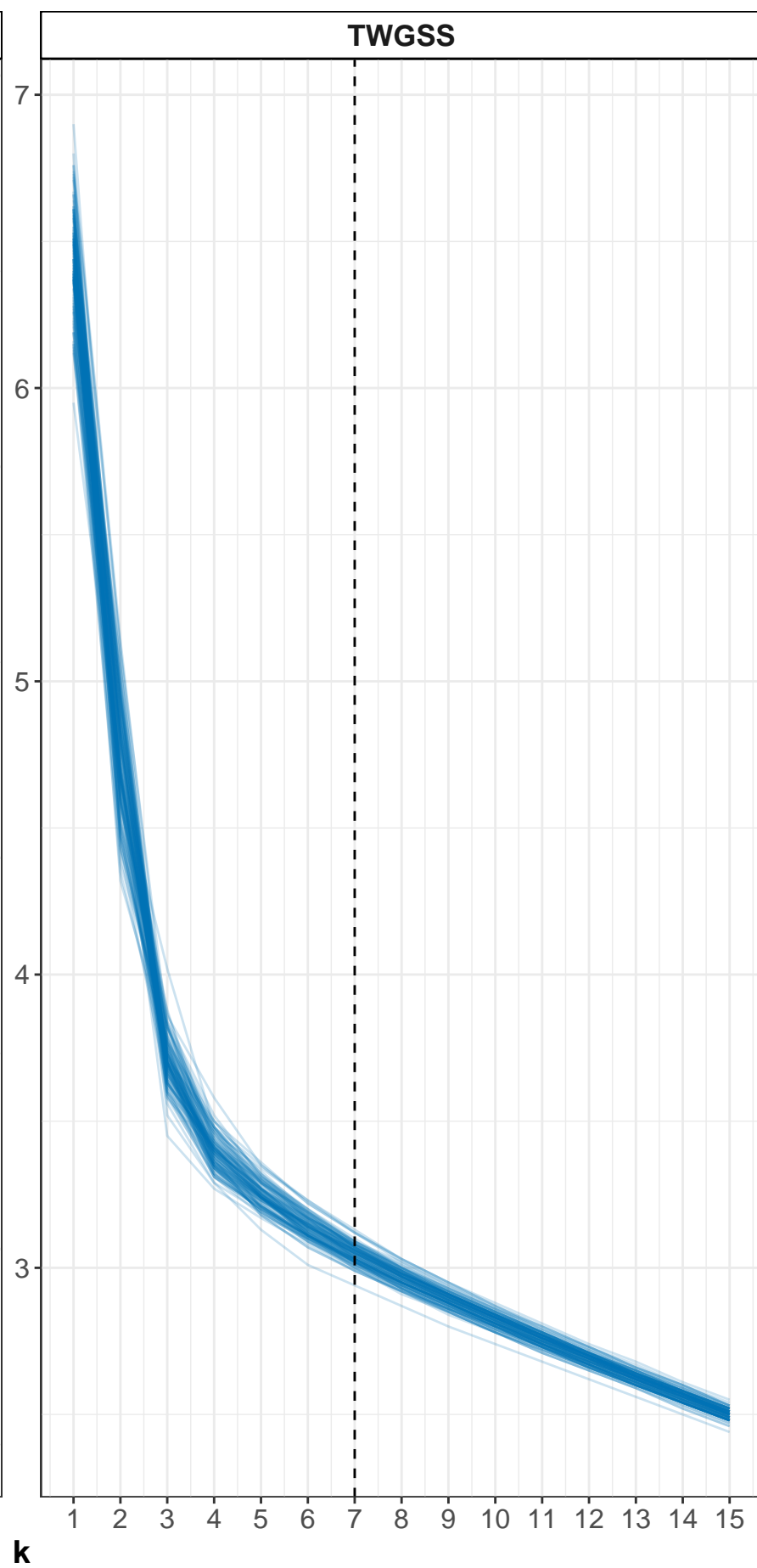
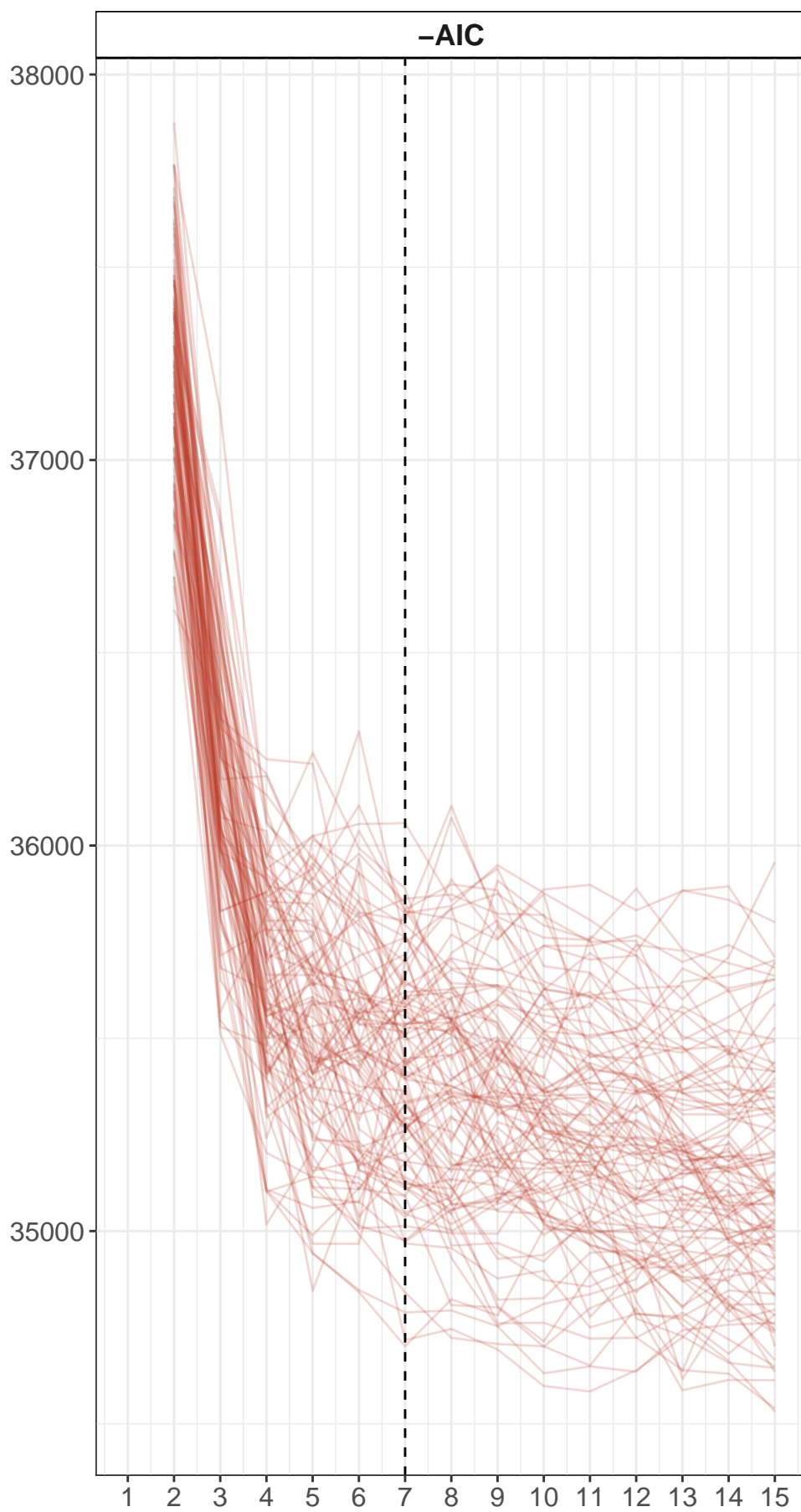
Elbow Plots for AIC and TWGSS, true $k = 7$, DQU = 90%, $n_{\text{sim}} = 100$



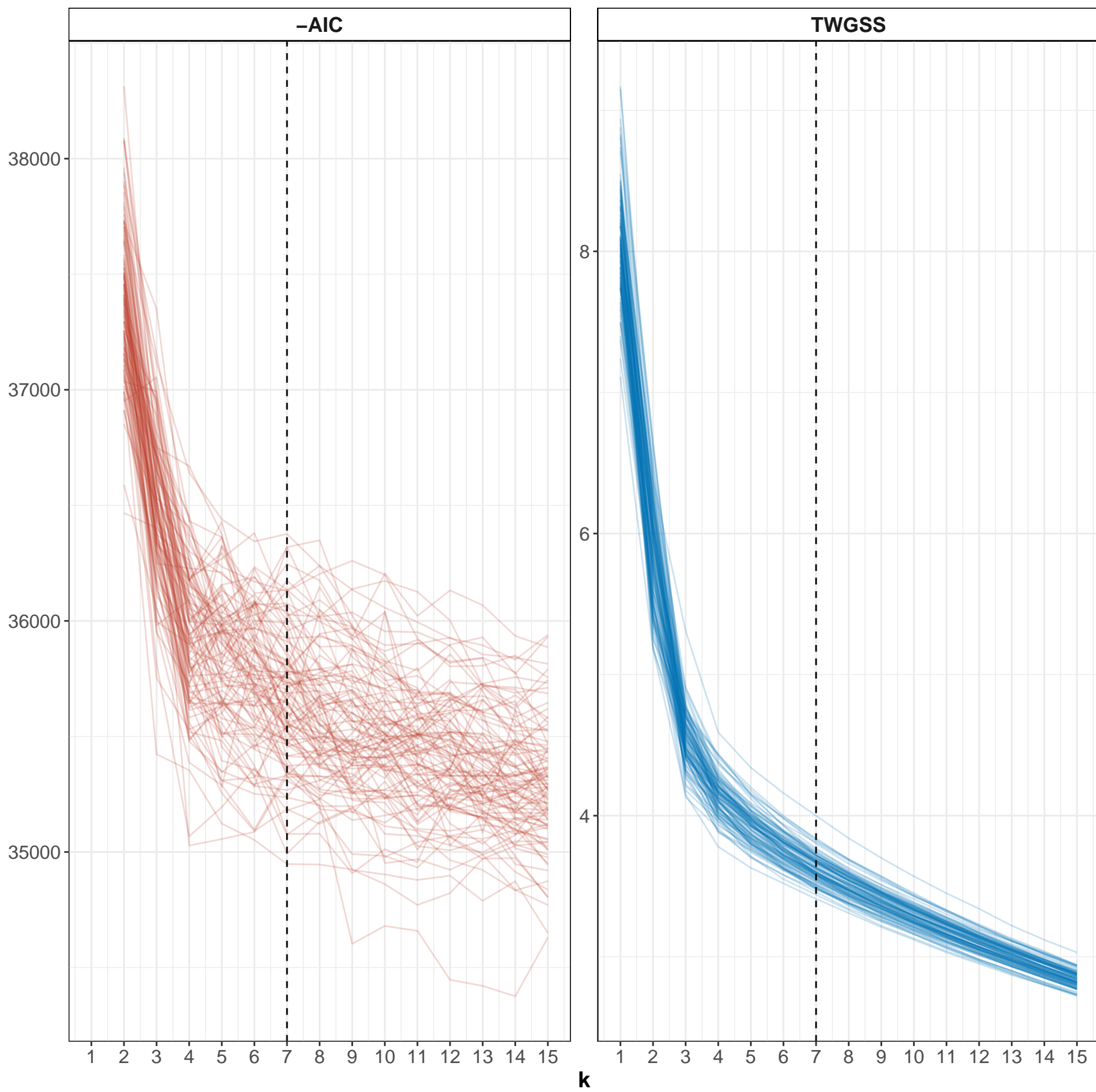
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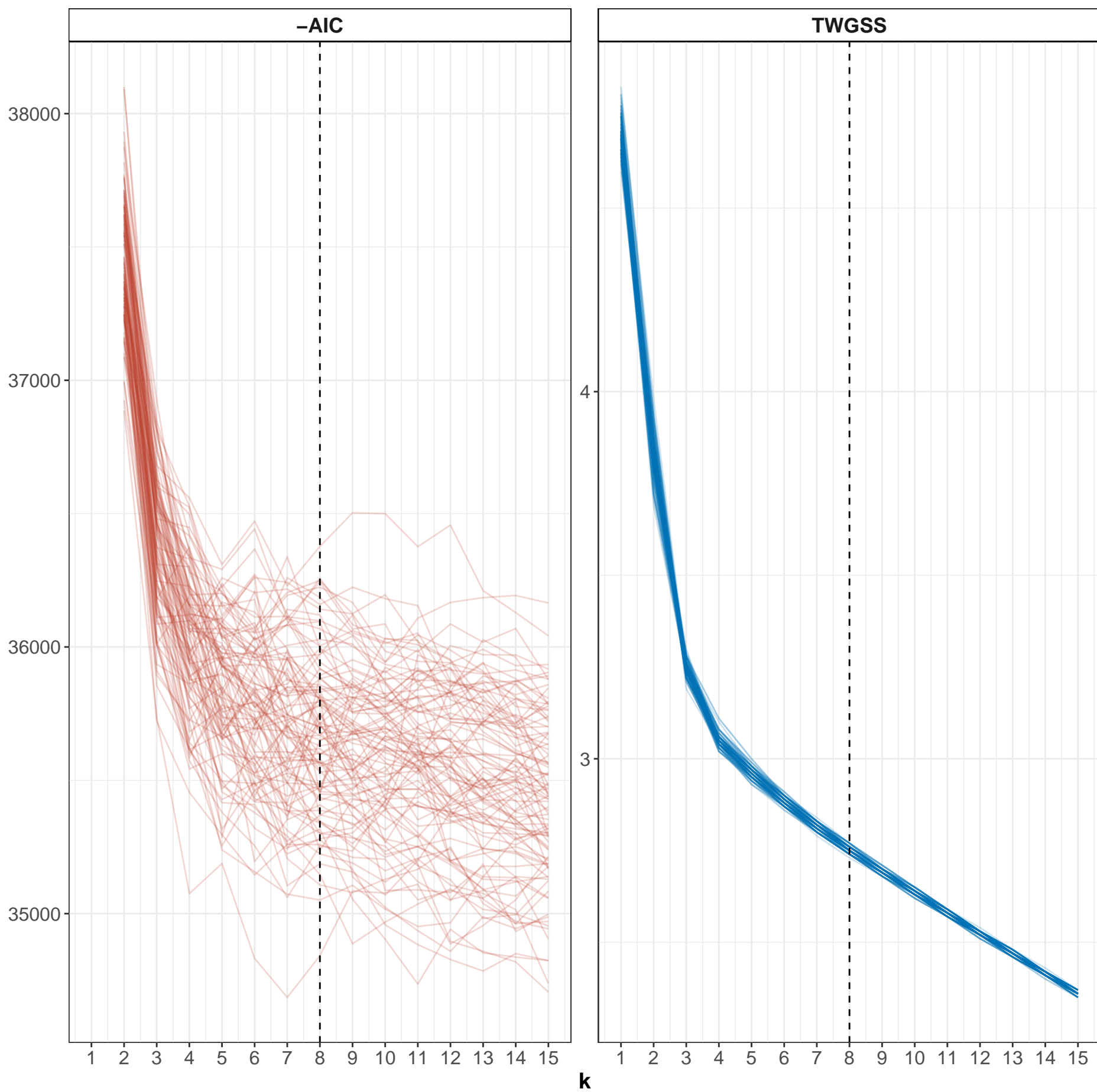
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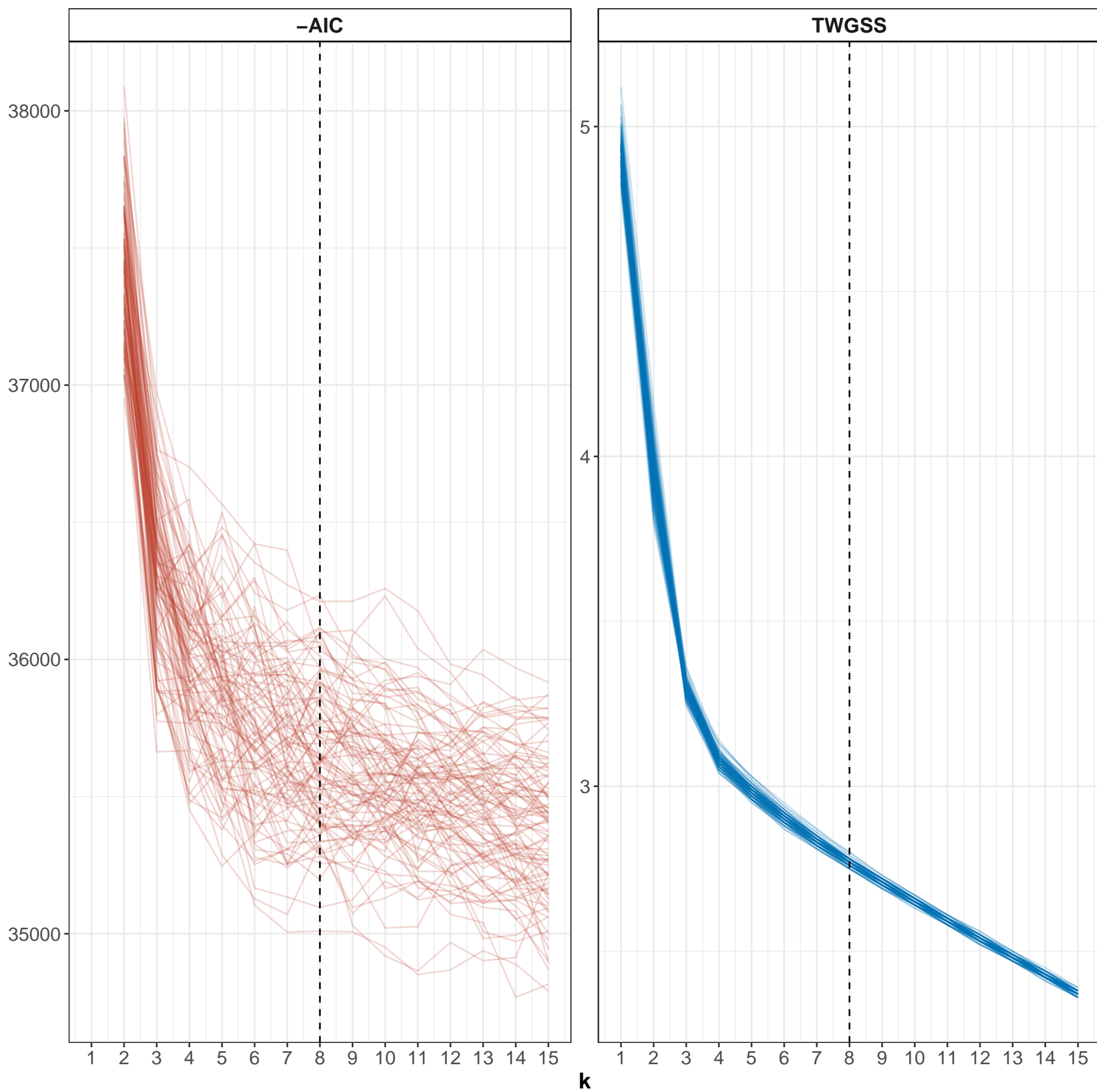
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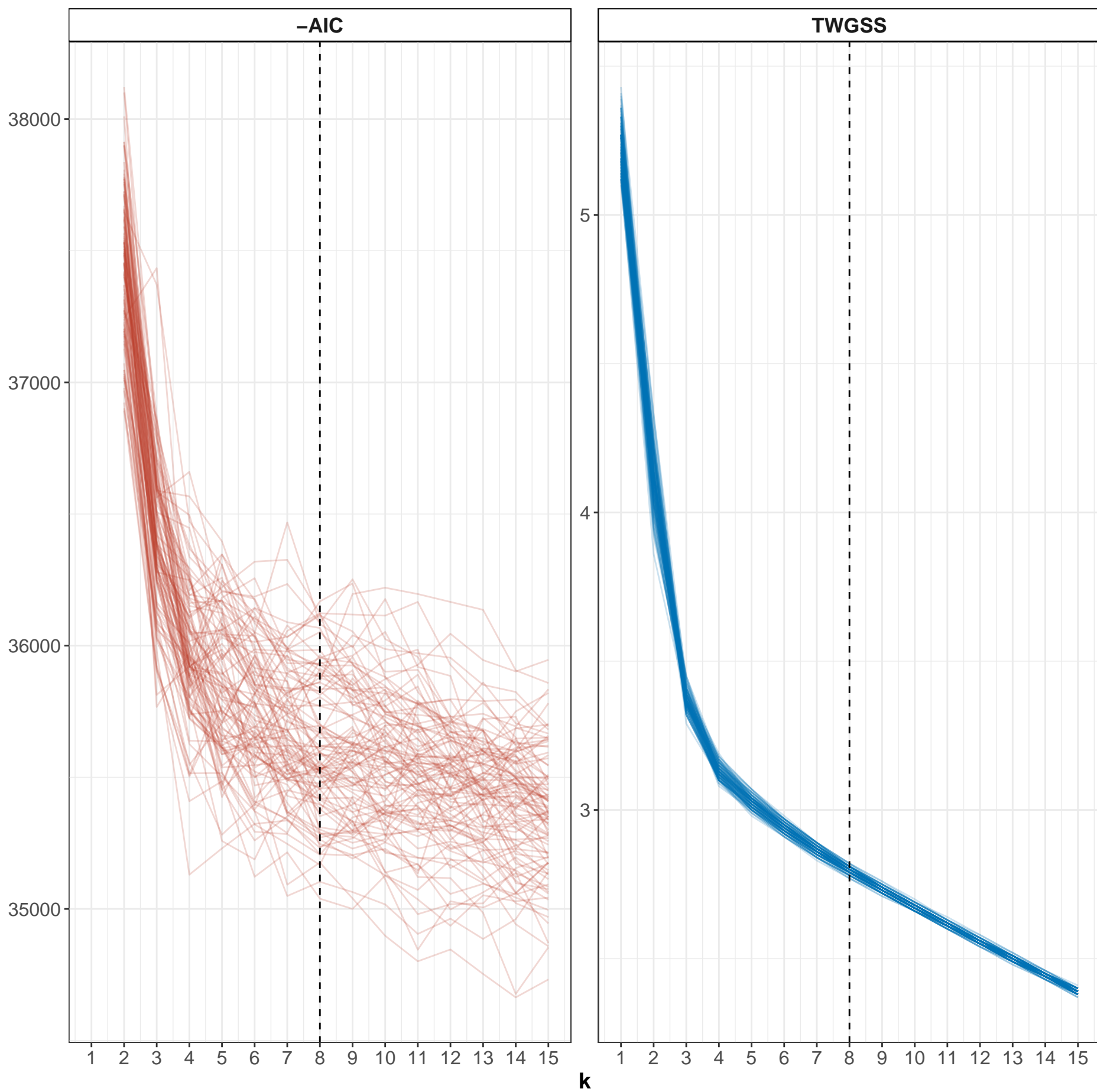
Elbow Plots for AIC and TWGSS, true $k = 8$, DQU = 85%, $n_{\text{sim}} = 100$



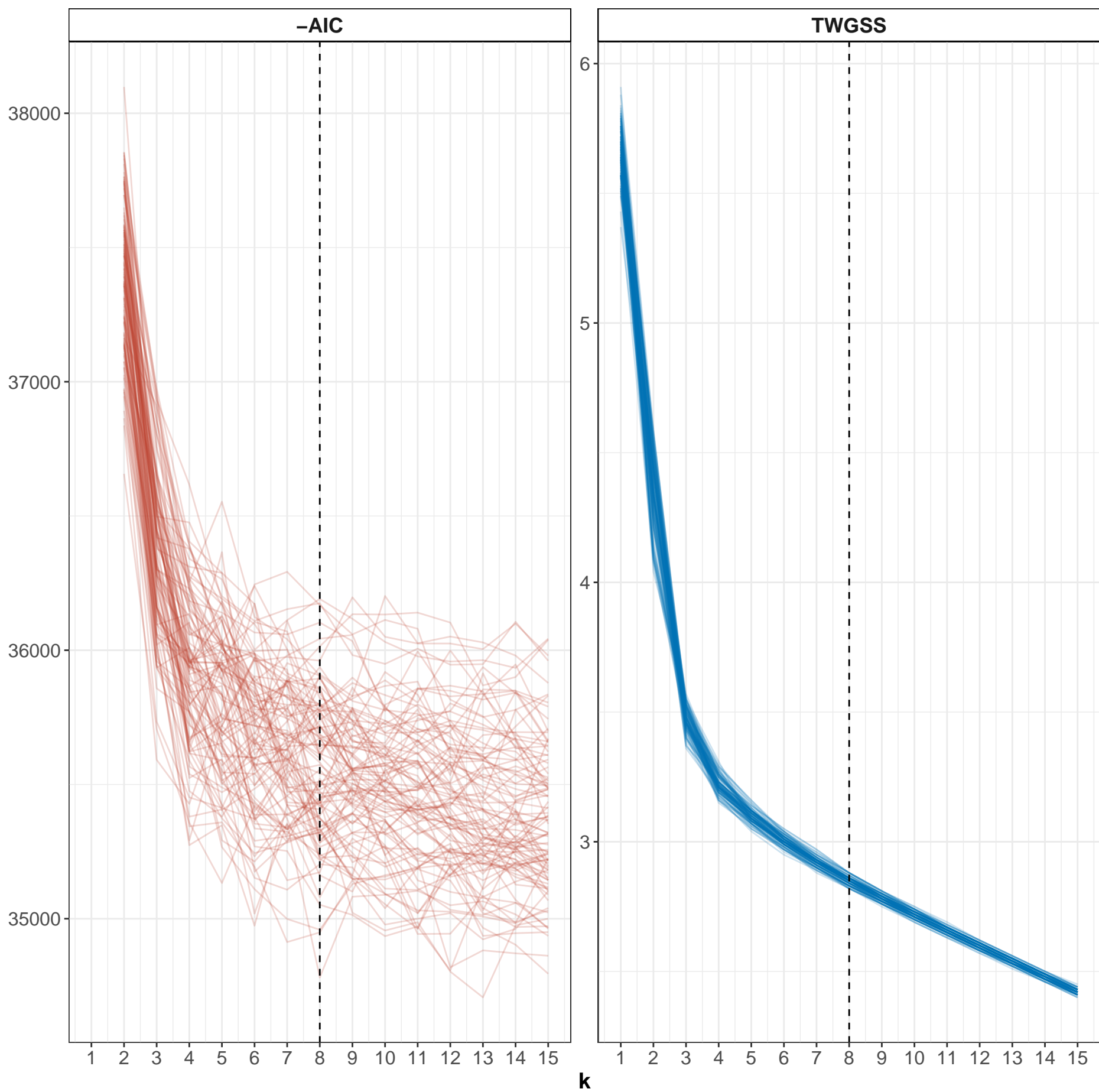
Elbow Plots for AIC and TWGSS, true $k = 8$, DQU = 87.5%, $n_{\text{sim}} = 100$



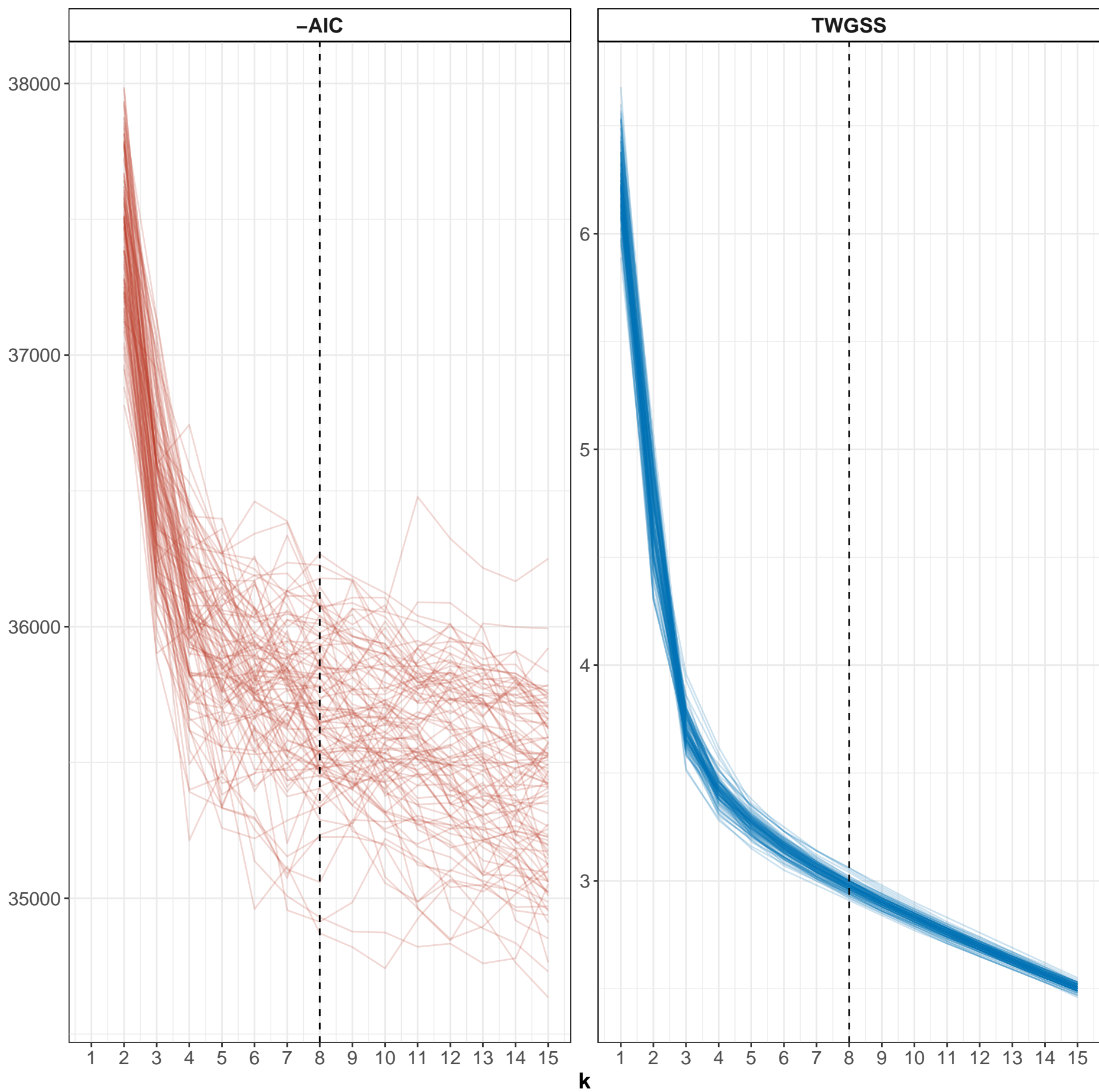
Elbow Plots for AIC and TWGSS, true $k = 8$, DQU = 90%, $n_{\text{sim}} = 100$



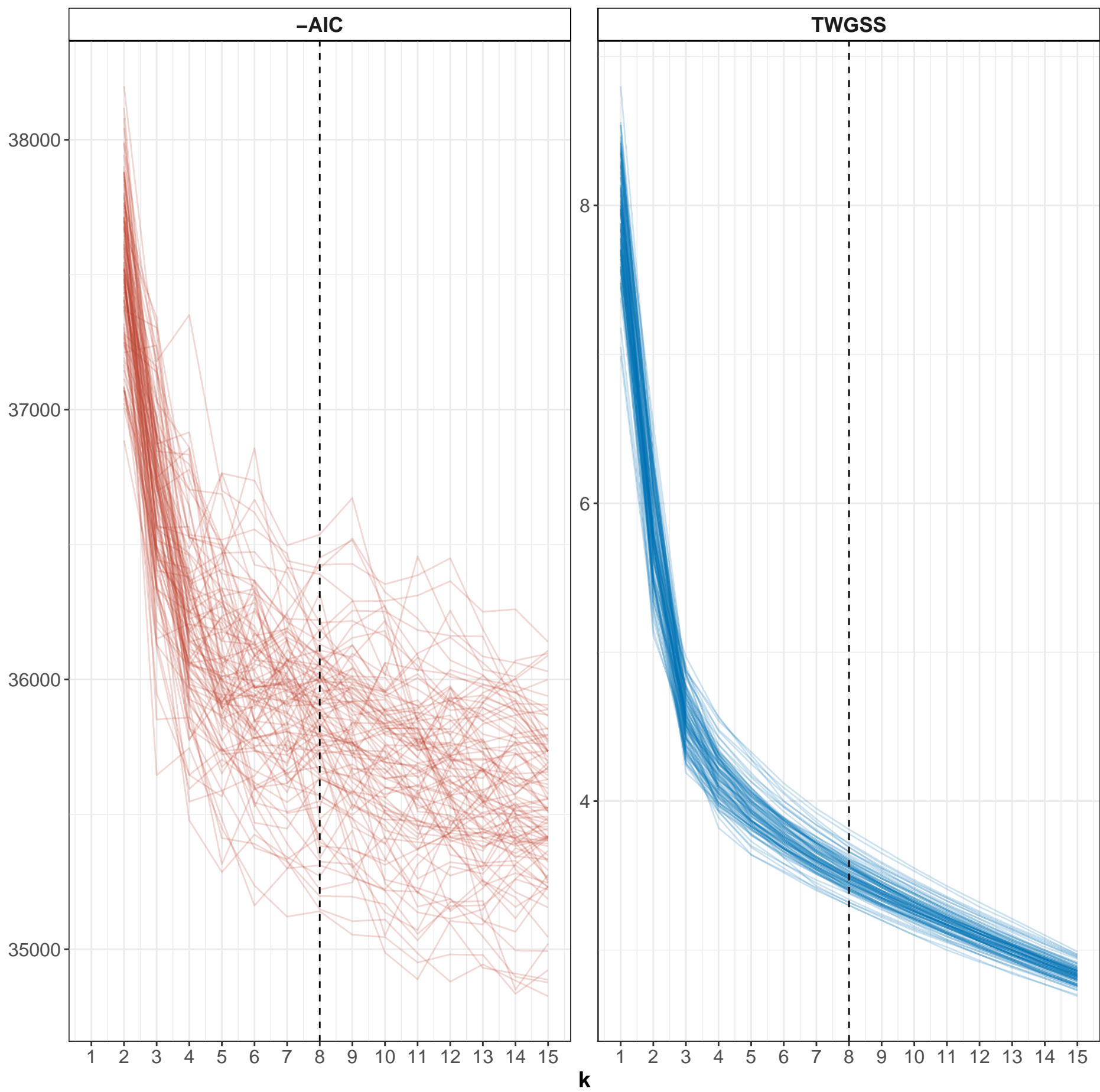
Elbow Plots for AIC and TWGSS, true $k = 8$, DQU = 92.5%, $n_{\text{sim}} = 100$



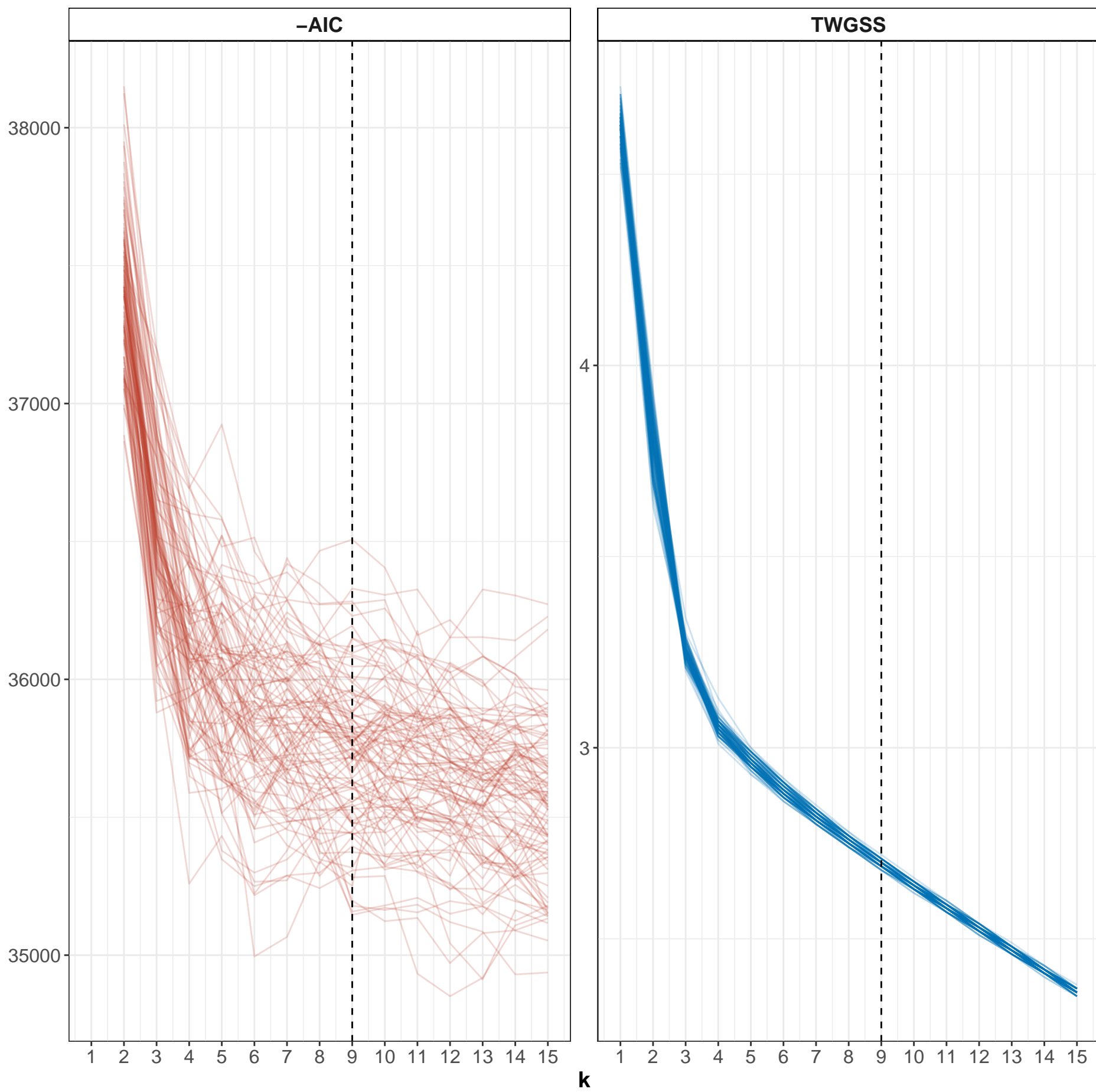
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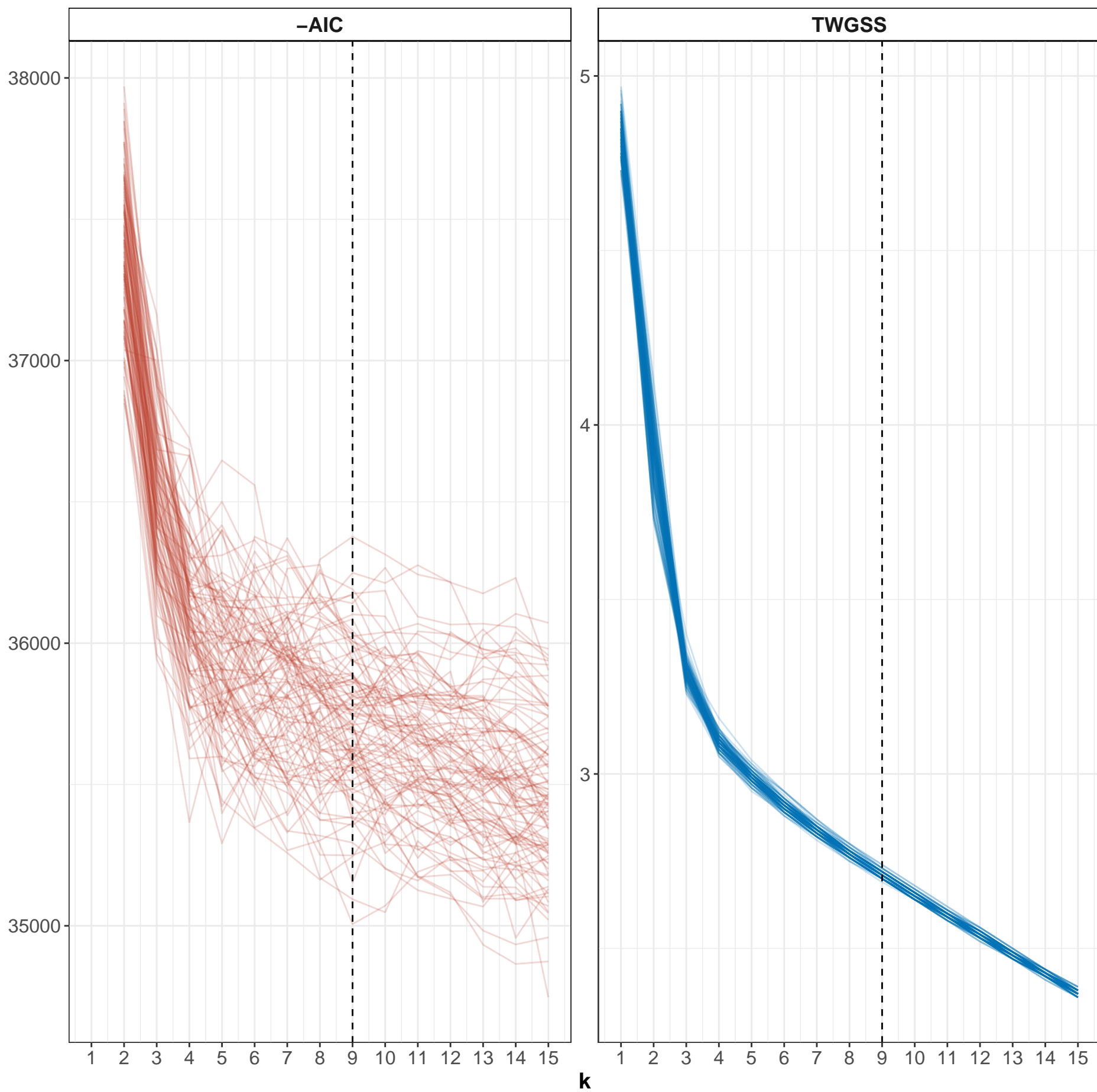
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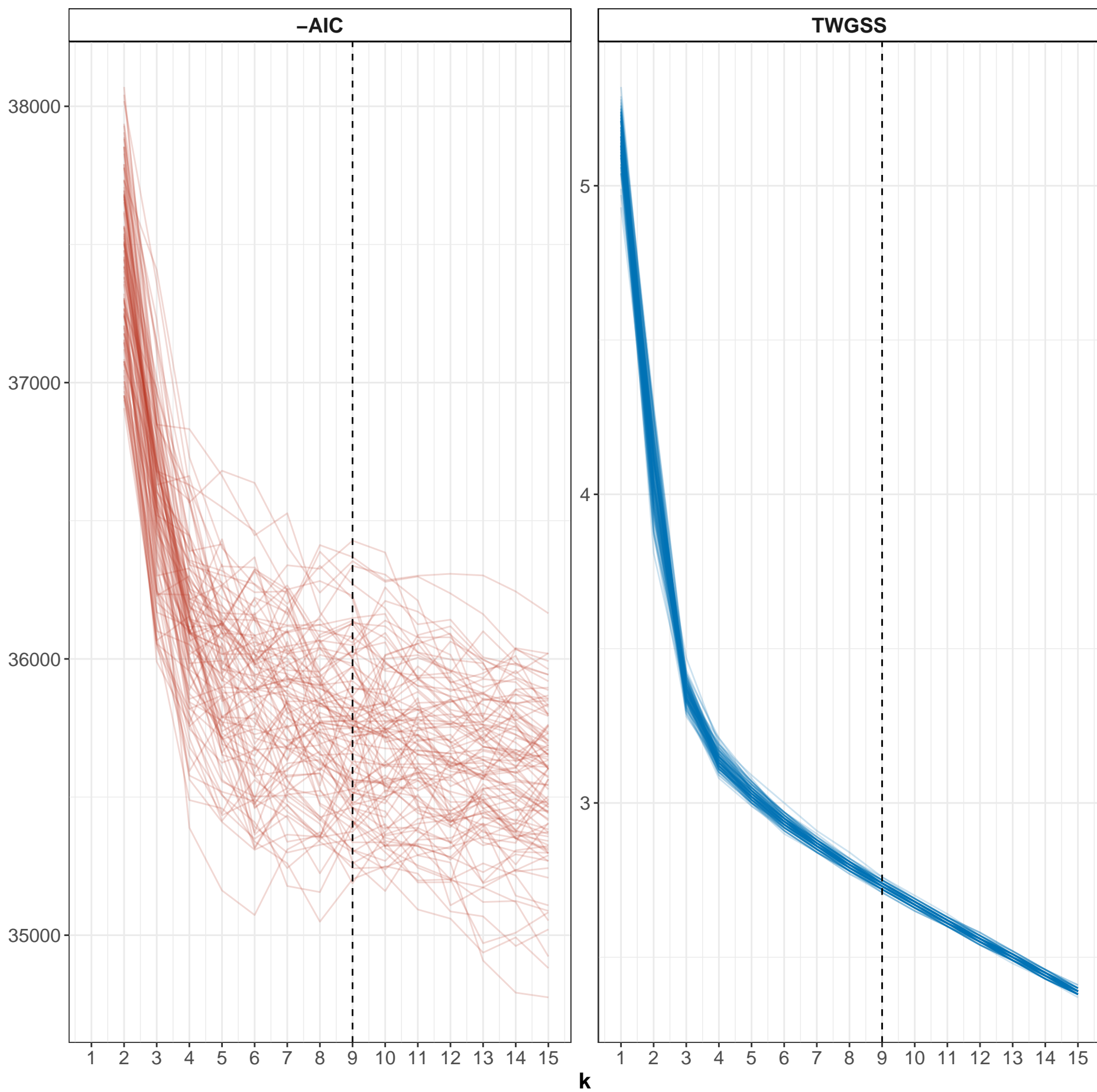
Elbow Plots for AIC and TWGSS, true $k = 9$, DQU = 85%, $n_{\text{sim}} = 100$



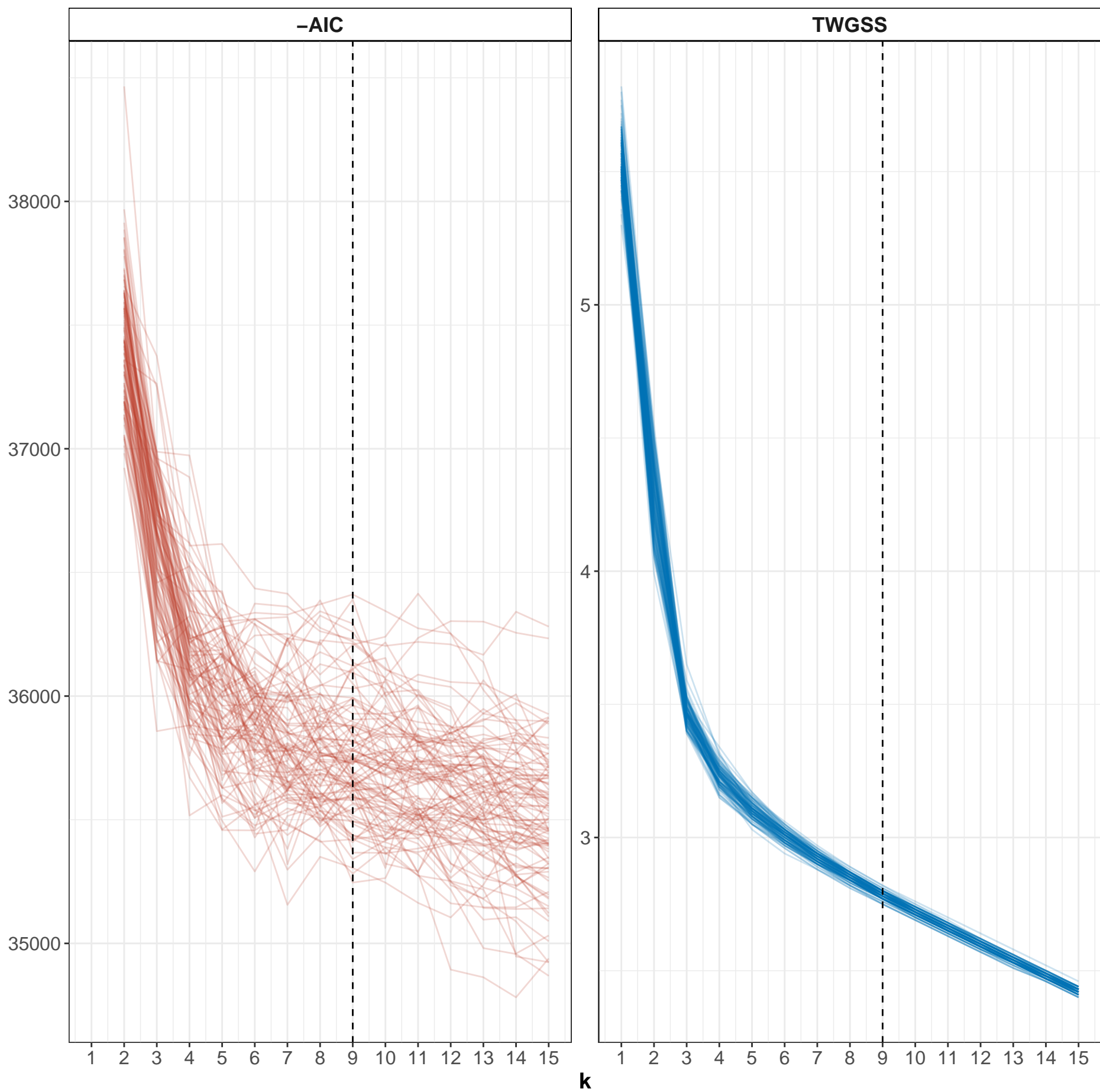
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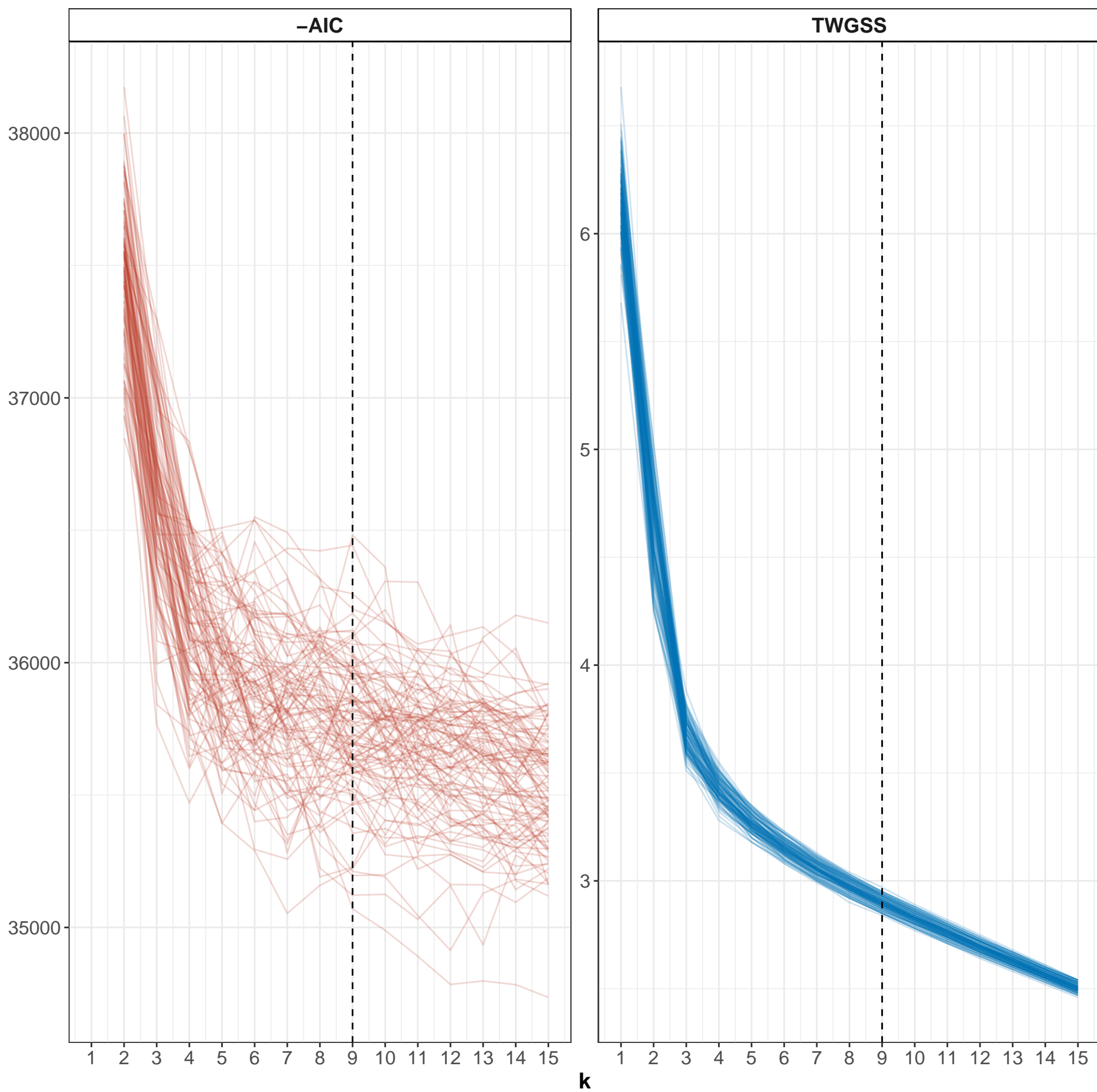
Elbow Plots for AIC and TWGSS, true $k = 9$, DQU = 90%, $n_{\text{sim}} = 100$



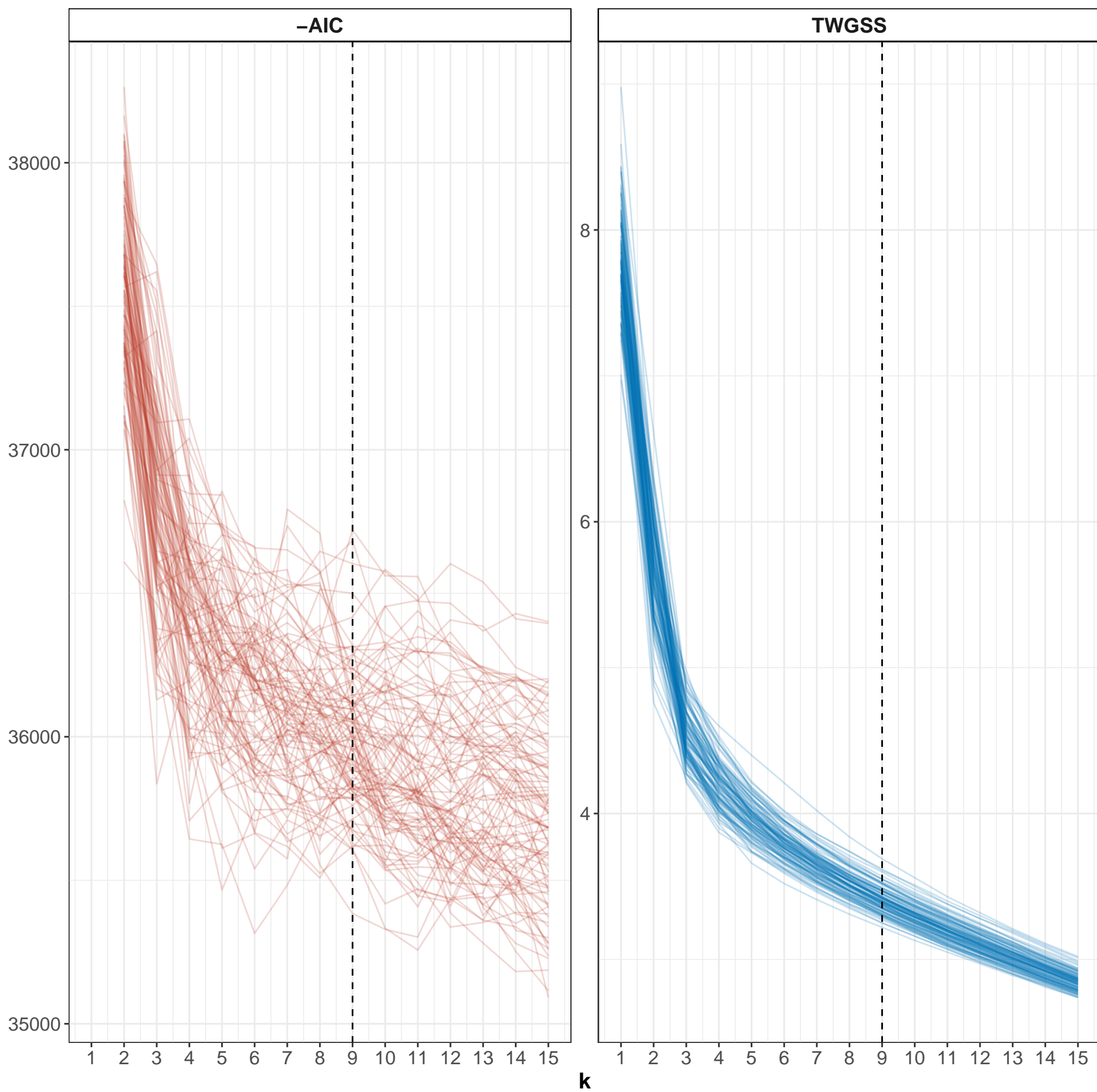
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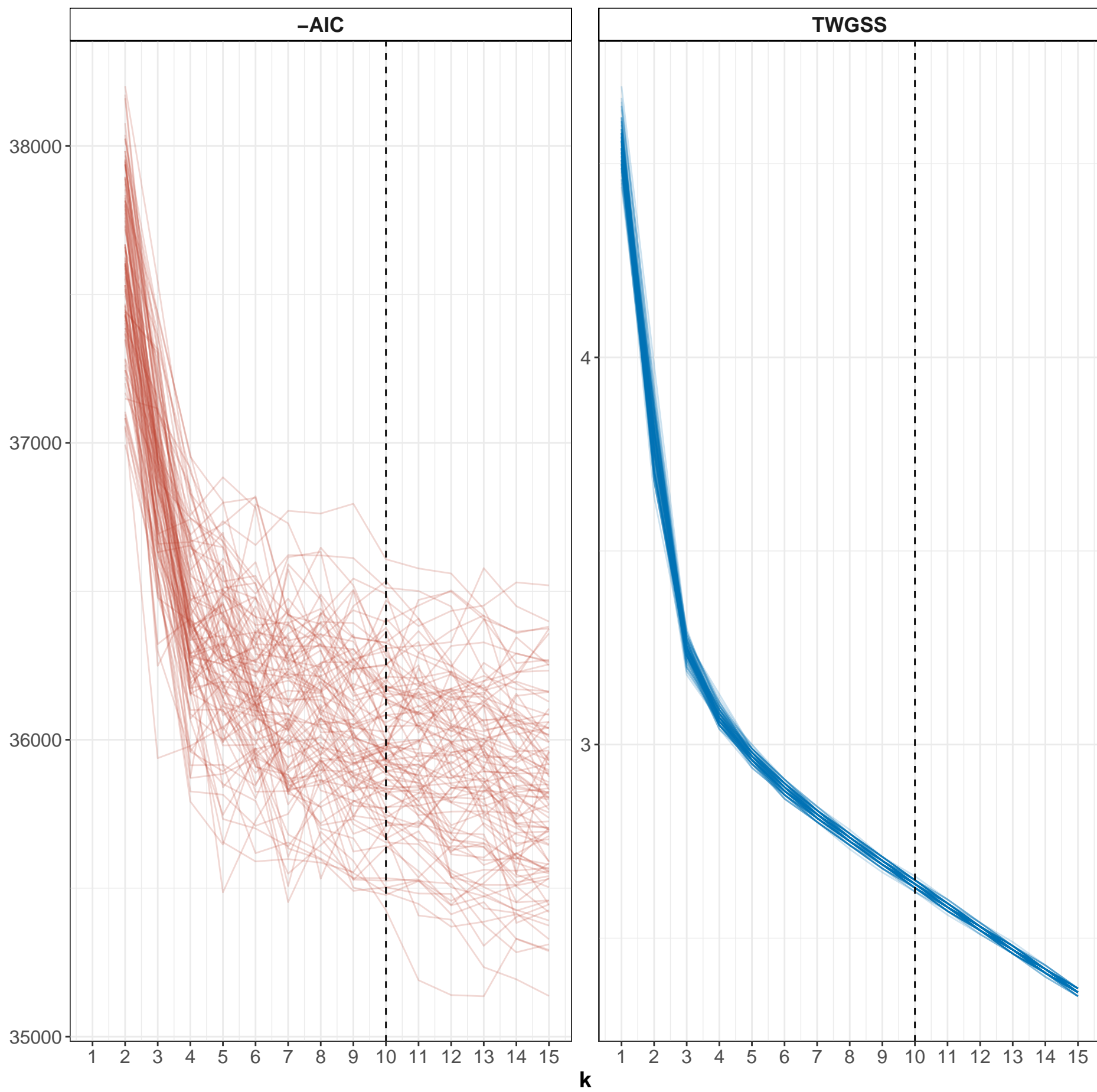
Elbow Plots for AIC and TWGSS, true $k = 9$, DQU = 95%, $n_{\text{sim}} = 100$



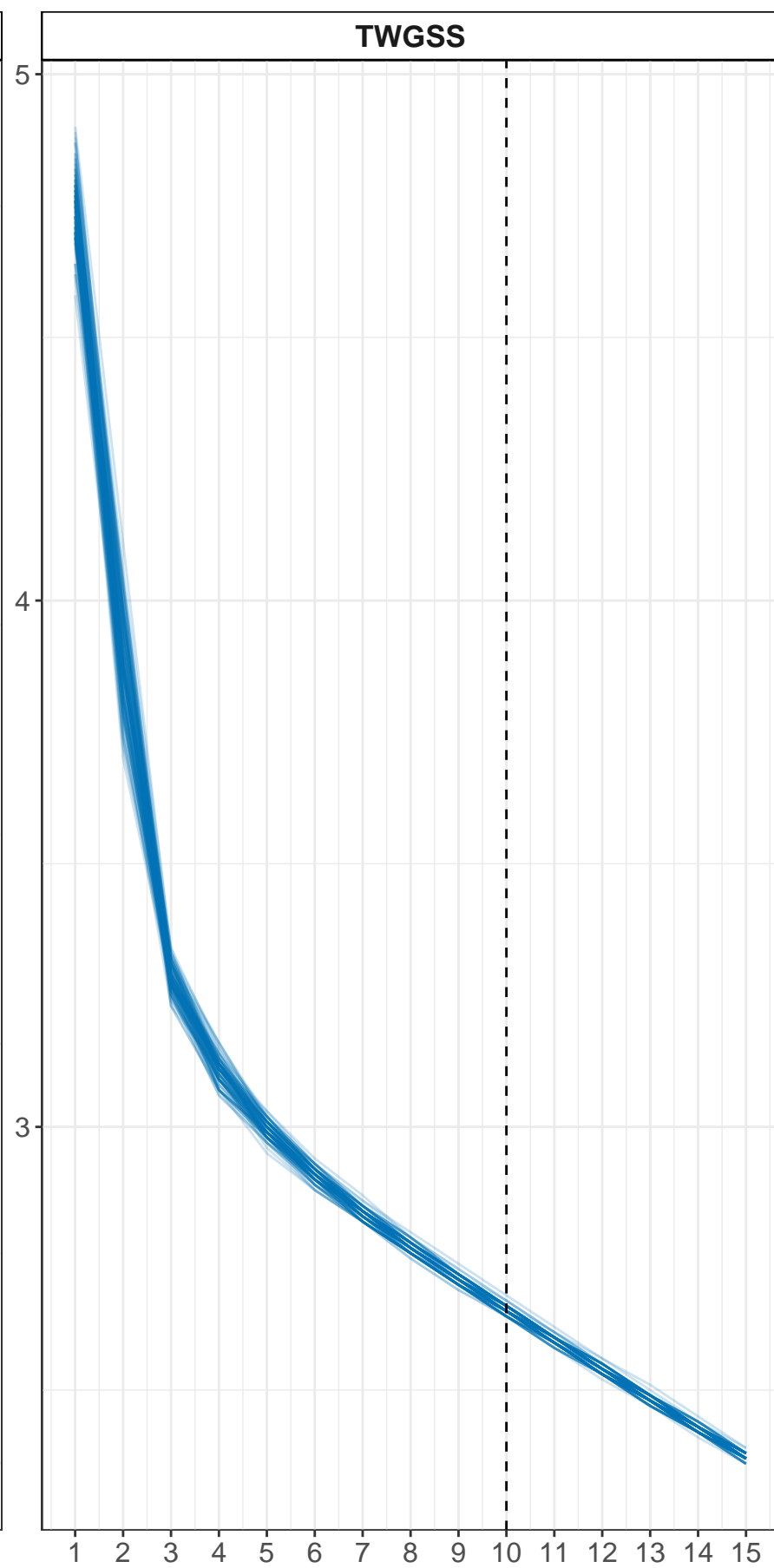
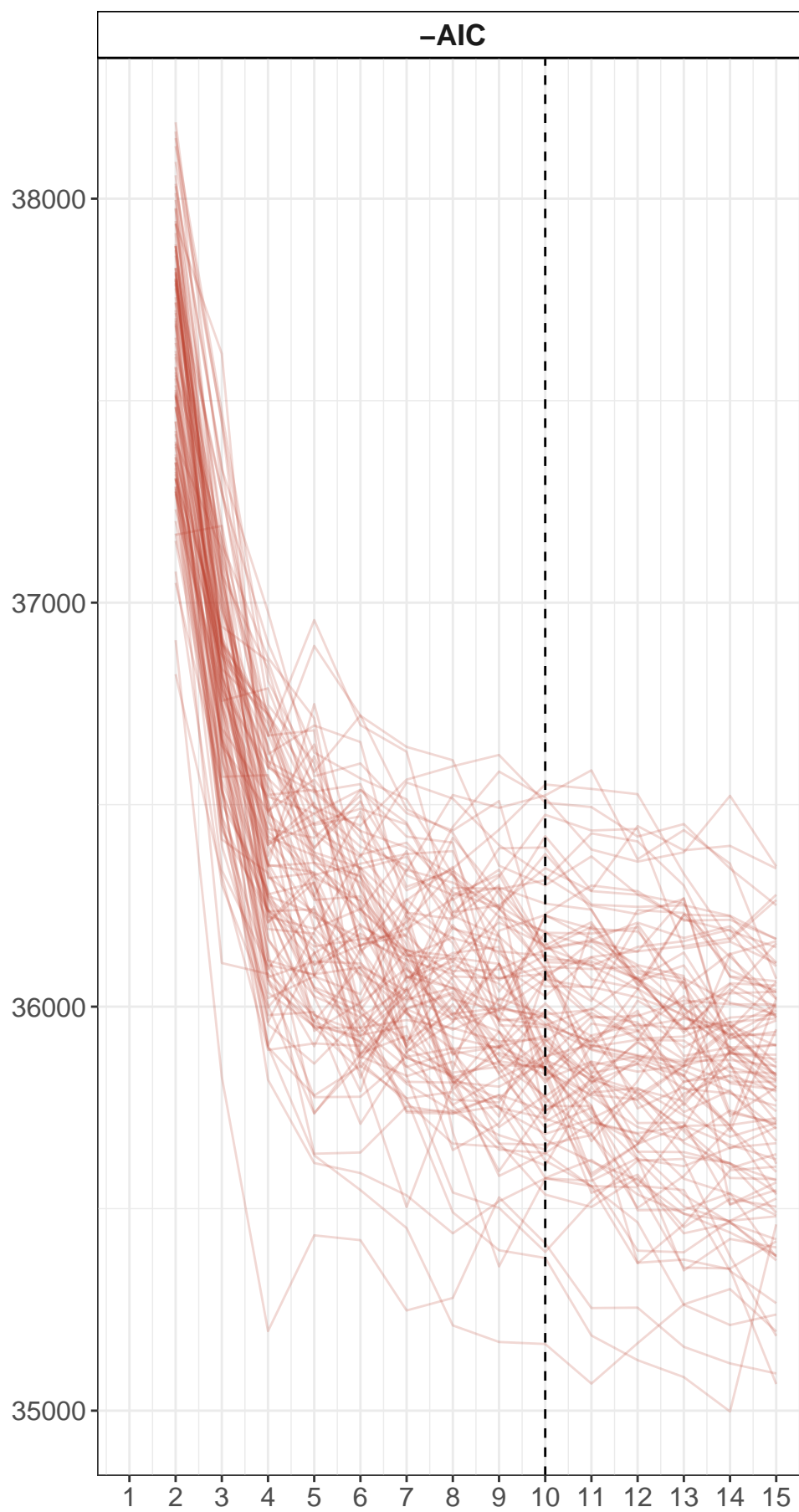
Elbow Plots for AIC and TWGSS, true $k = 9$, DQU = 97.5%, $n_{\text{sim}} = 100$



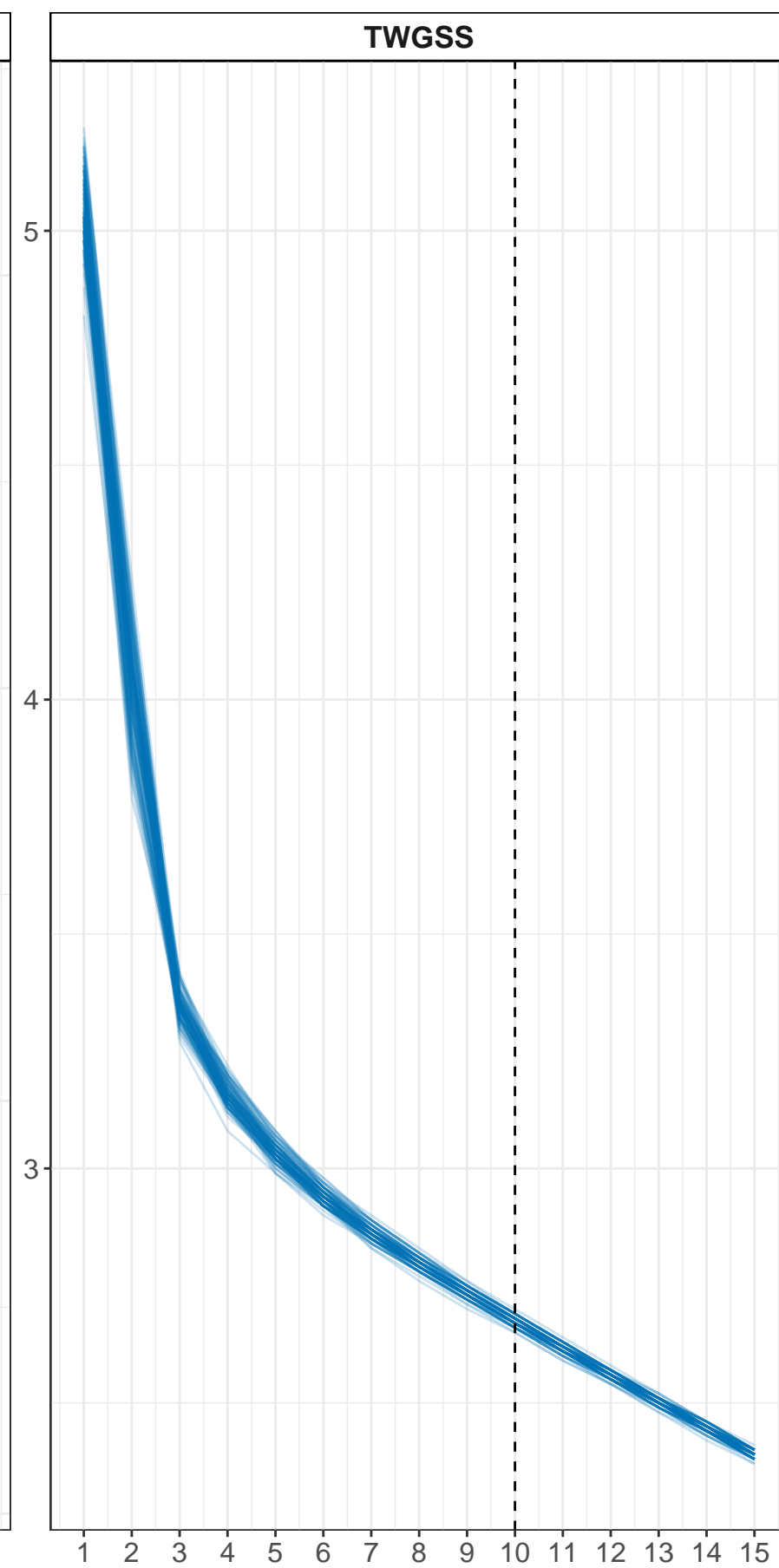
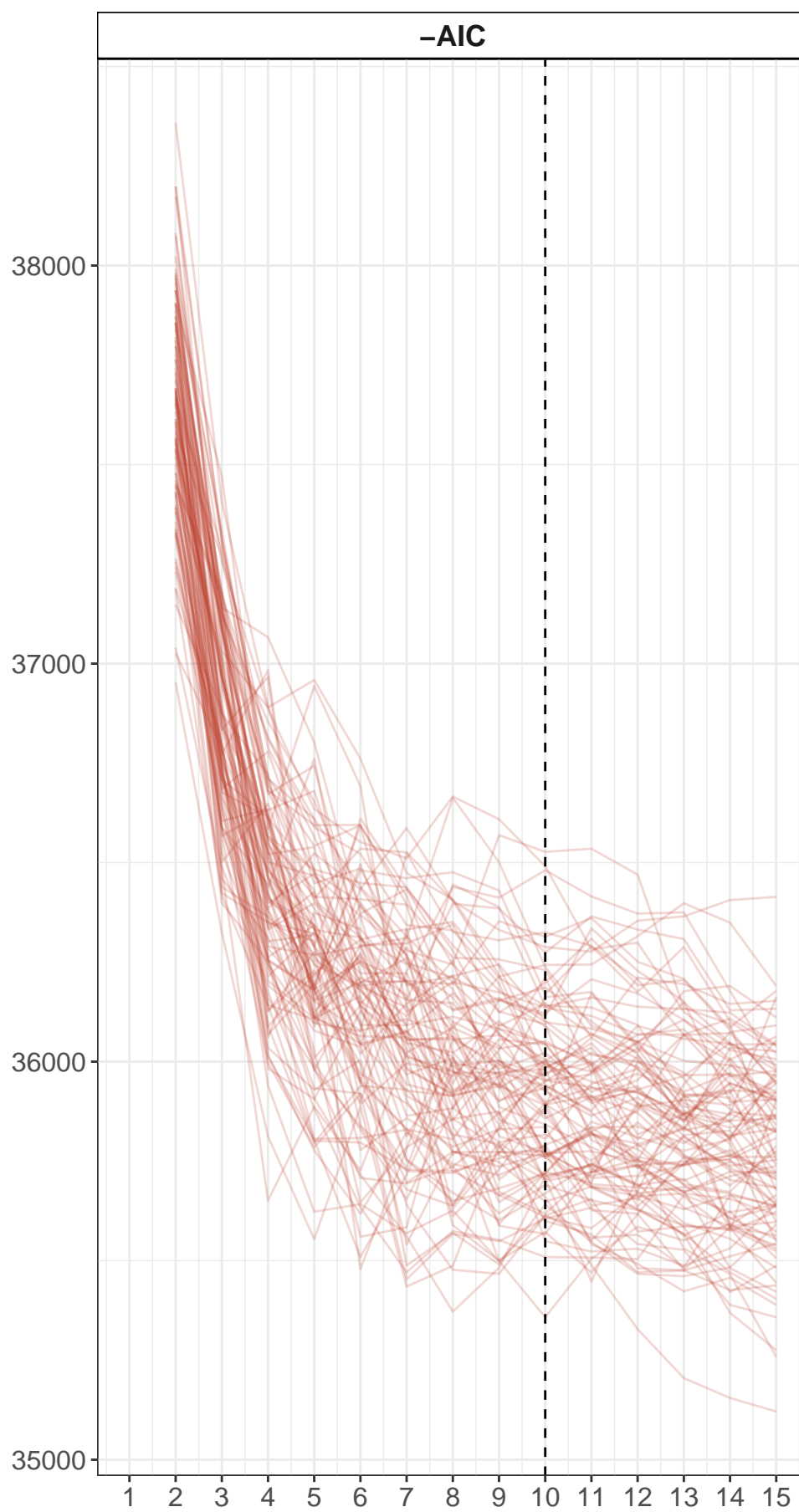
Elbow Plots for AIC and TWGSS, true $k = 10$, DQU = 85%, $n_{\text{sim}} = 100$



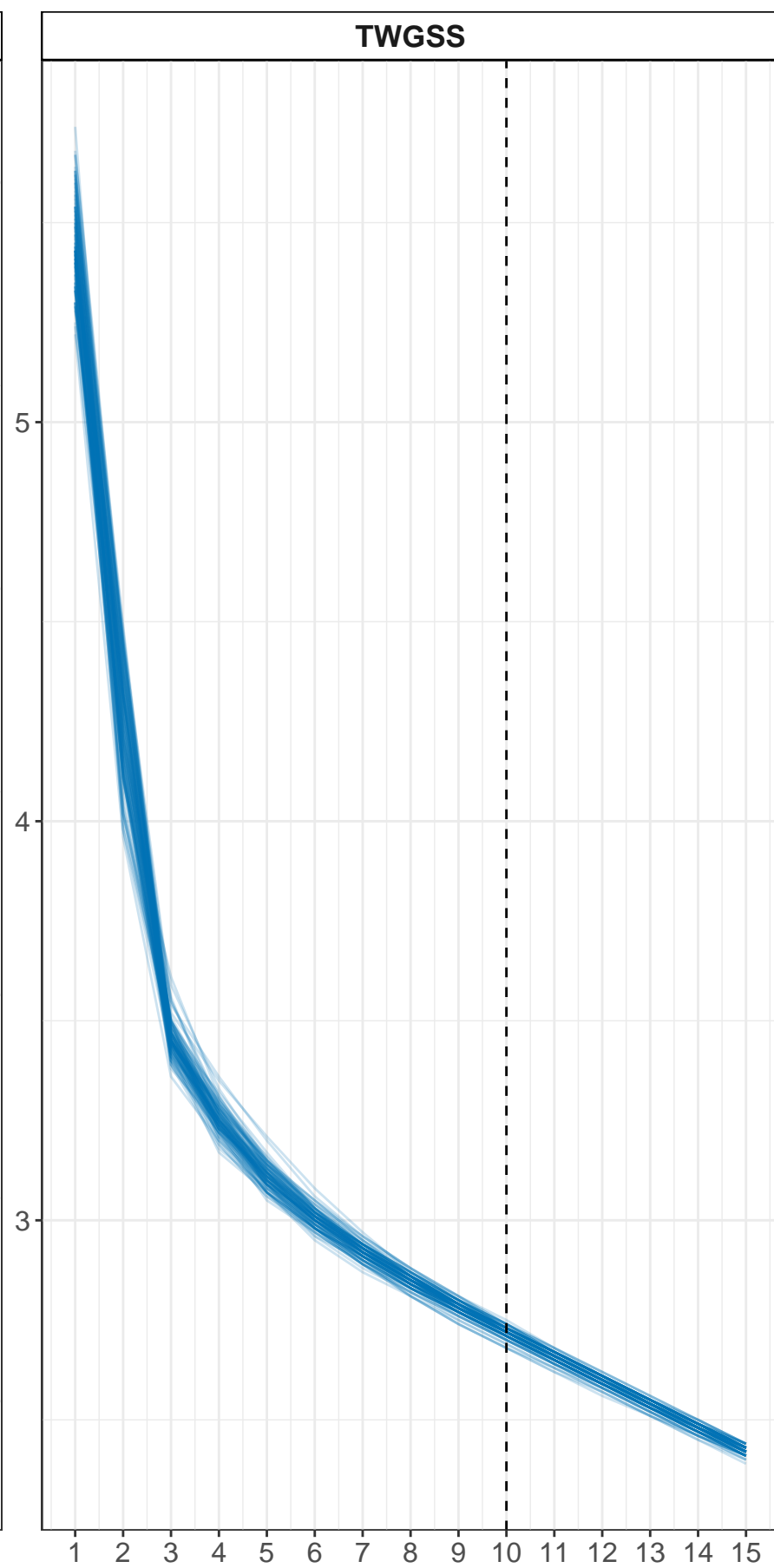
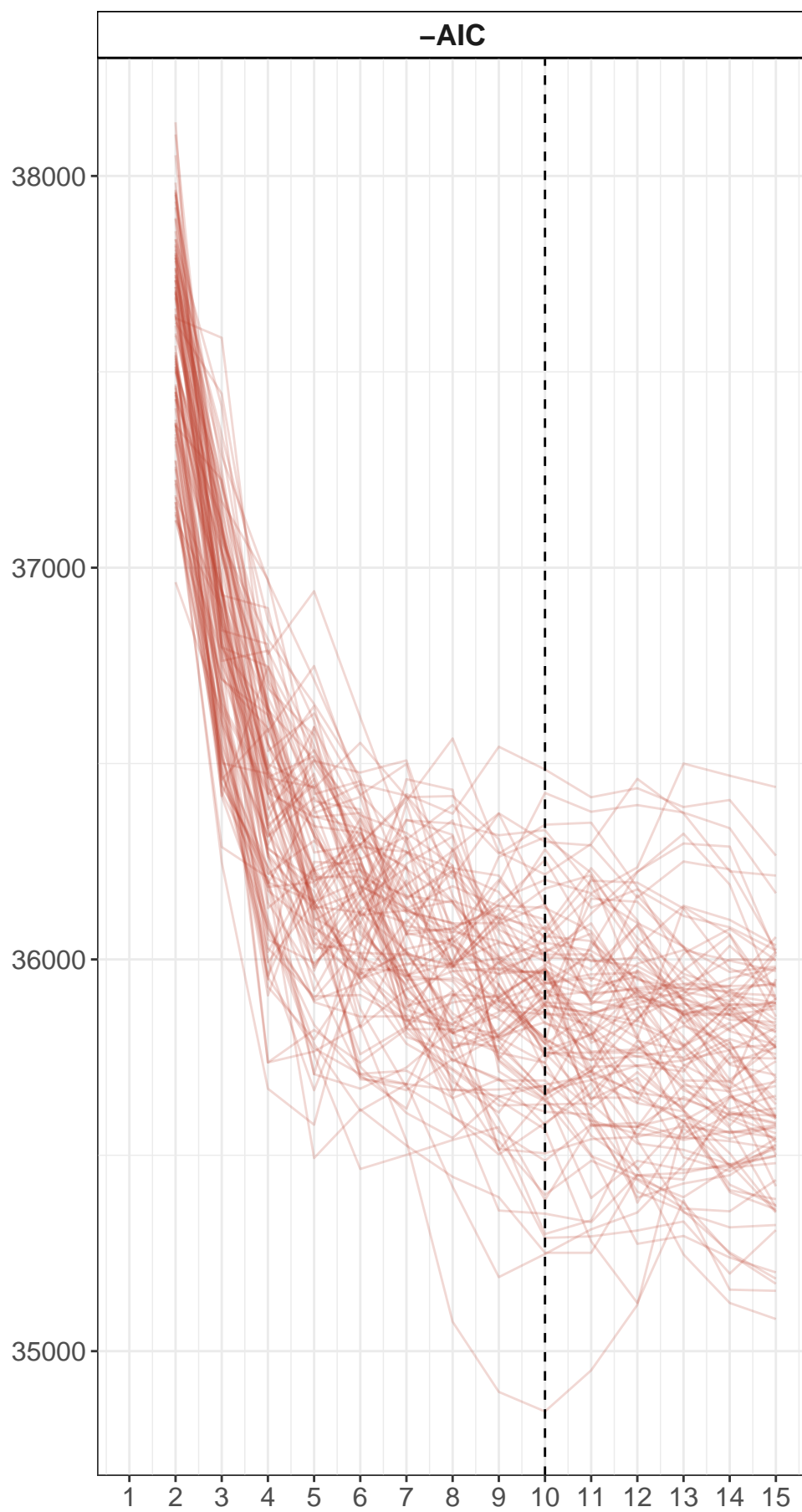
Elbow Plots for AIC and TWGSS, true $k = 10$, DQU = 87.5%, $n_{\text{sim}} = 100$



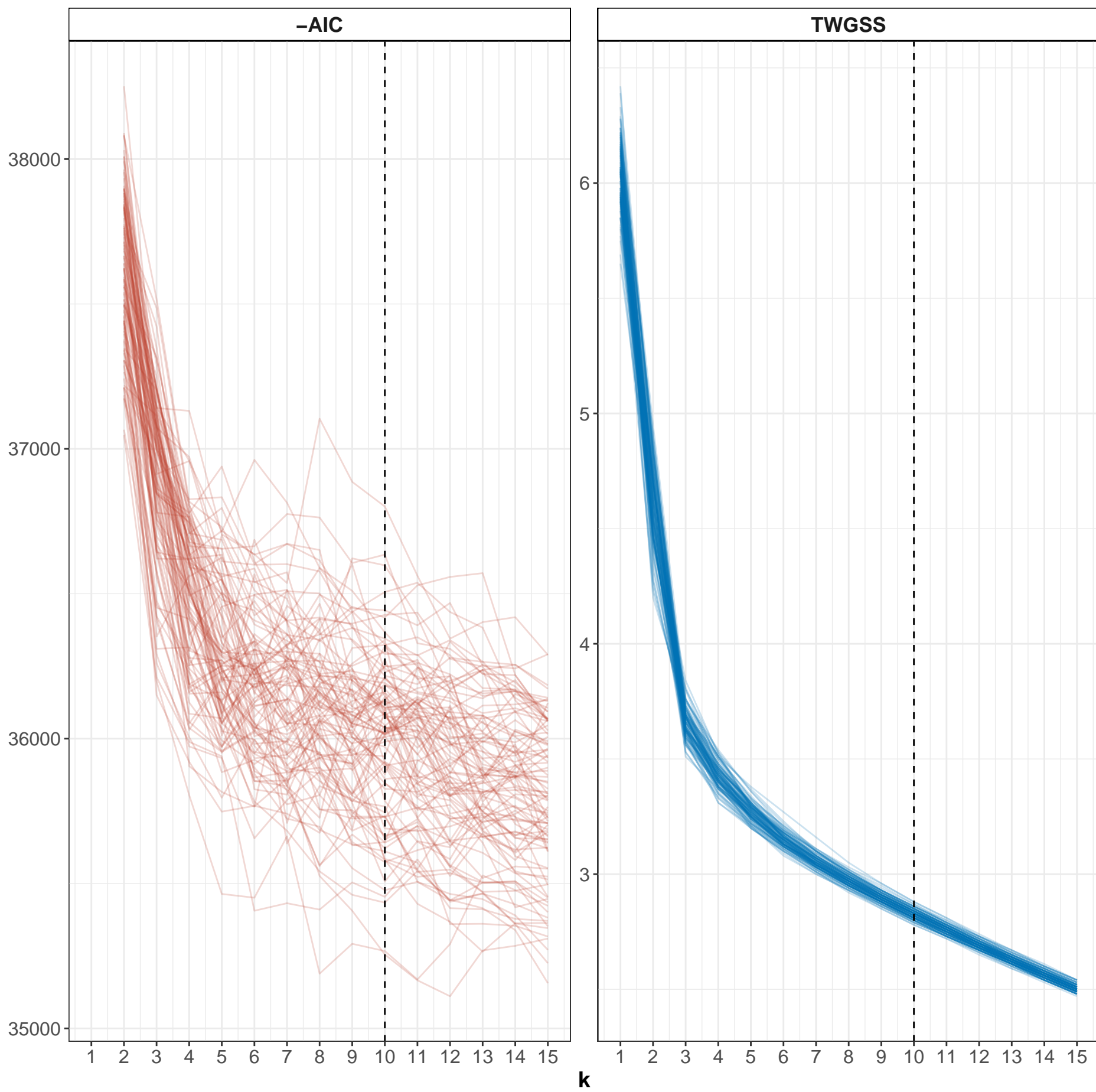
Elbow Plots for AIC and TWGSS, true $k = 10$, DQU = 90%, $n_{\text{sim}} = 100$



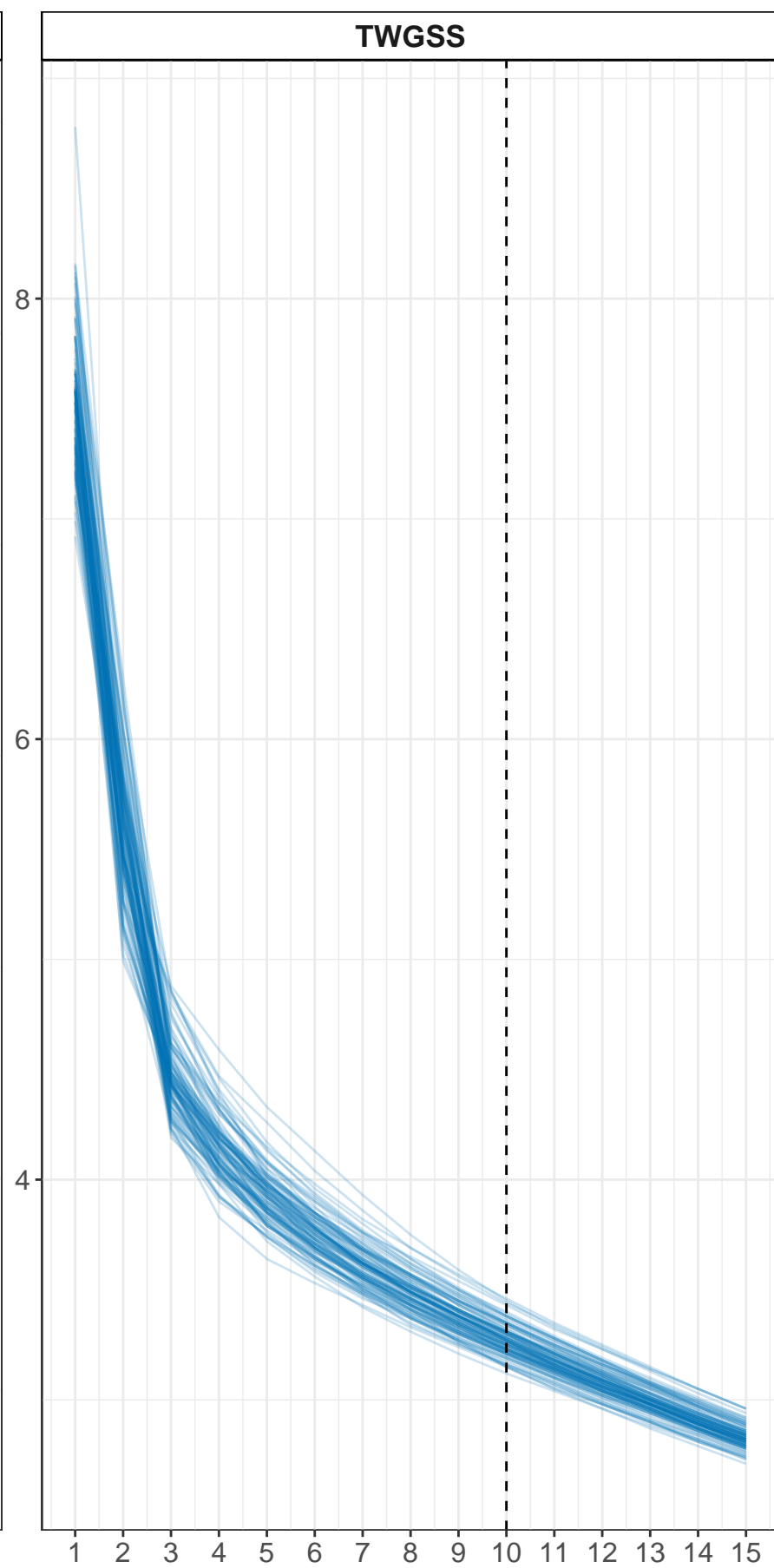
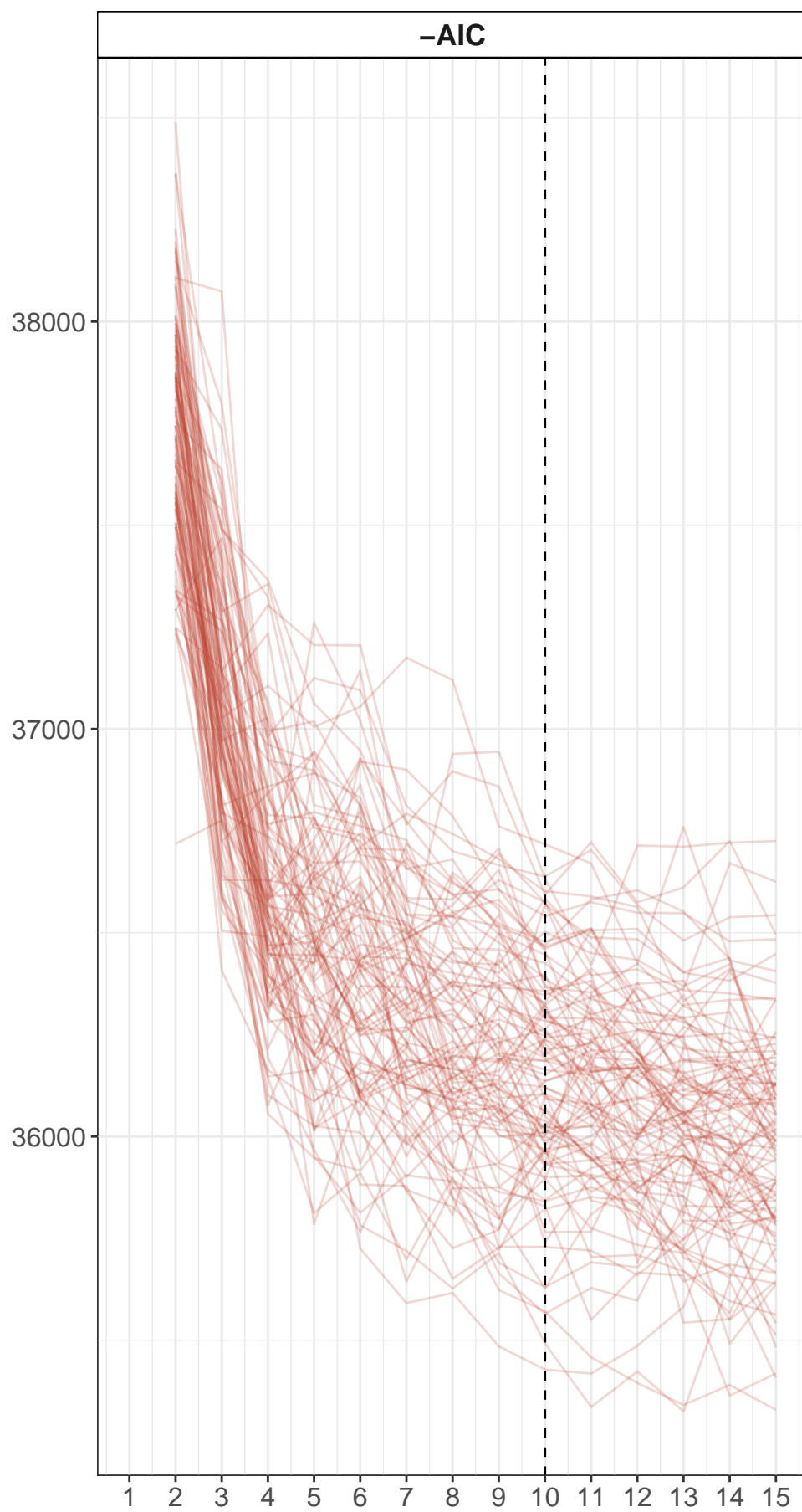
Elbow Plots for AIC and TWGSS, true $k = 10$, DQU = 92.5%, $n_{\text{sim}} = 100$



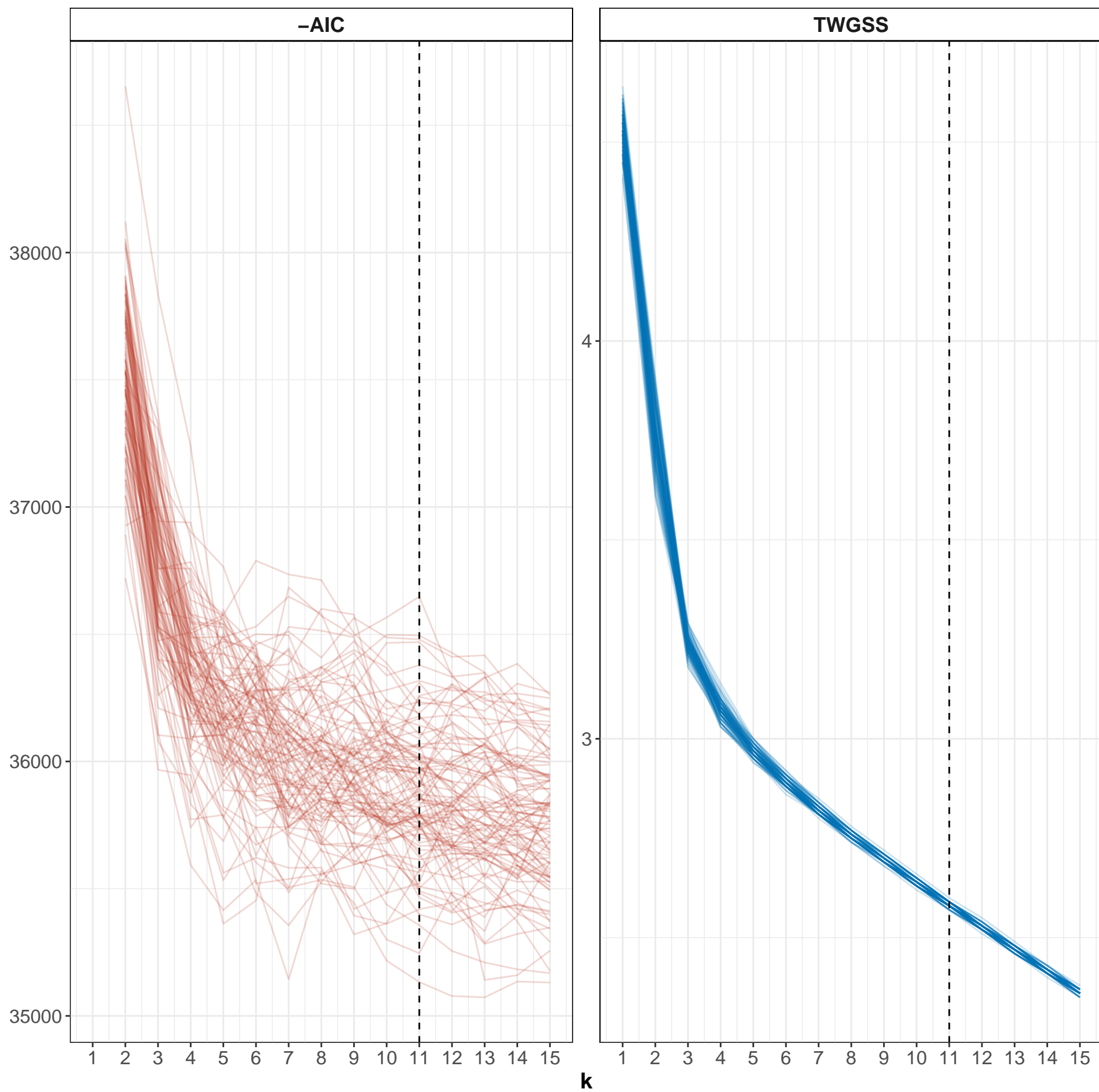
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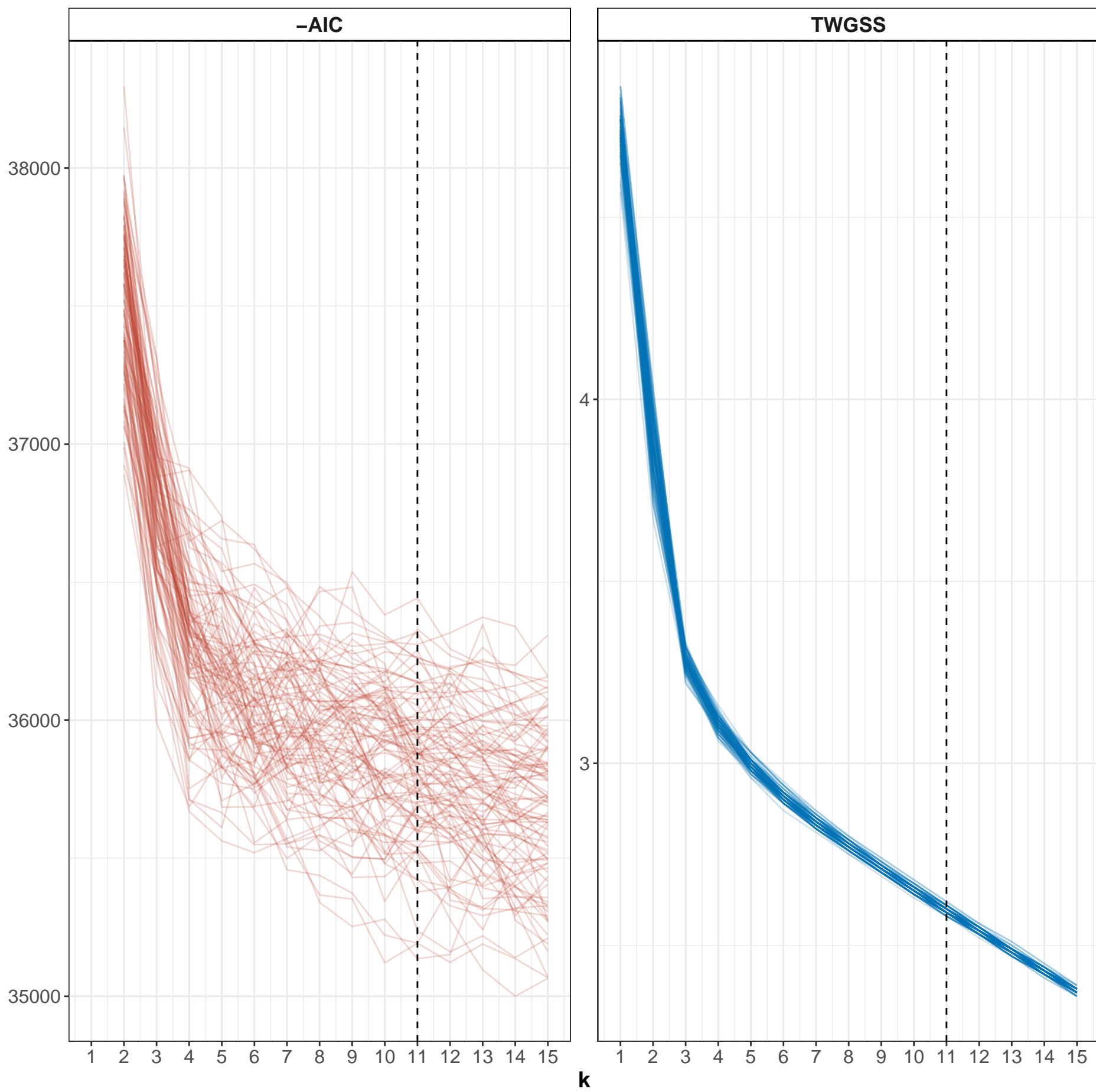
Elbow Plots for AIC and TWGSS, true $k = 10$, DQU = 97.5%, $n_{\text{sim}} = 100$



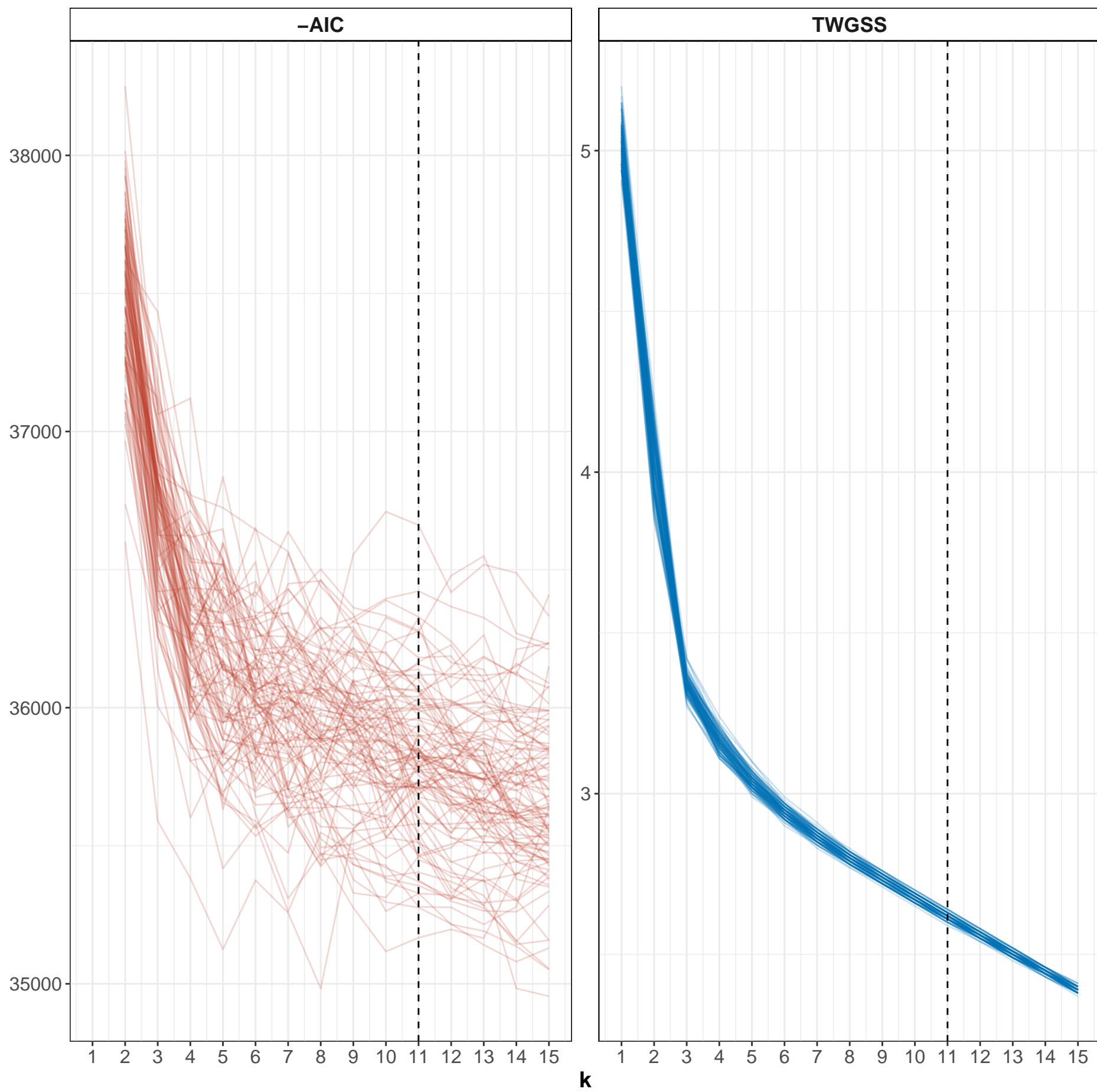
Elbow Plots for AIC and TWGSS, true $k = 11$, DQU = 85%, $n_{\text{sim}} = 100$



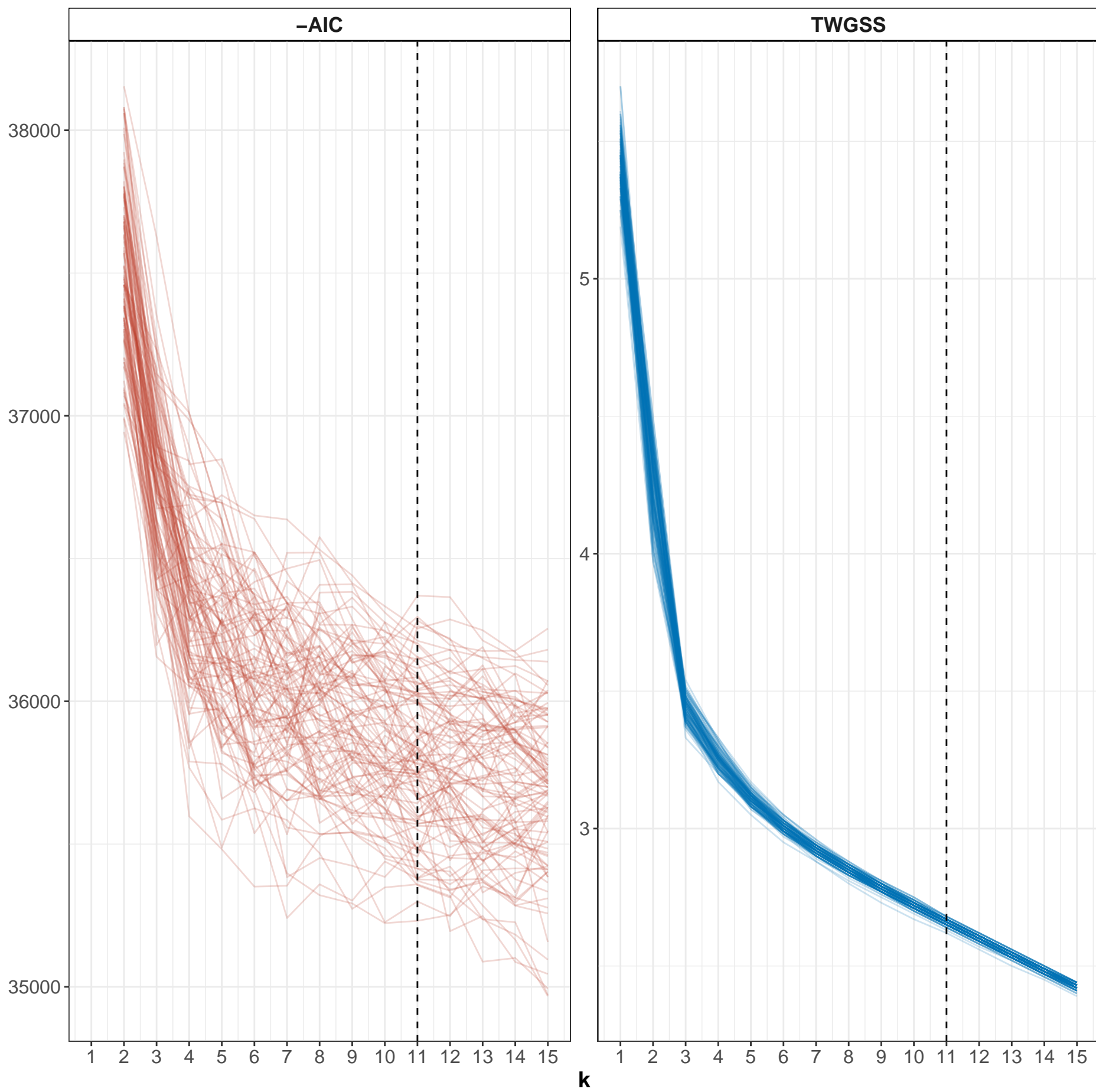
Elbow Plots for AIC and TWGSS, true $k = 11$, DQU = 87.5%, $n_{\text{sim}} = 100$



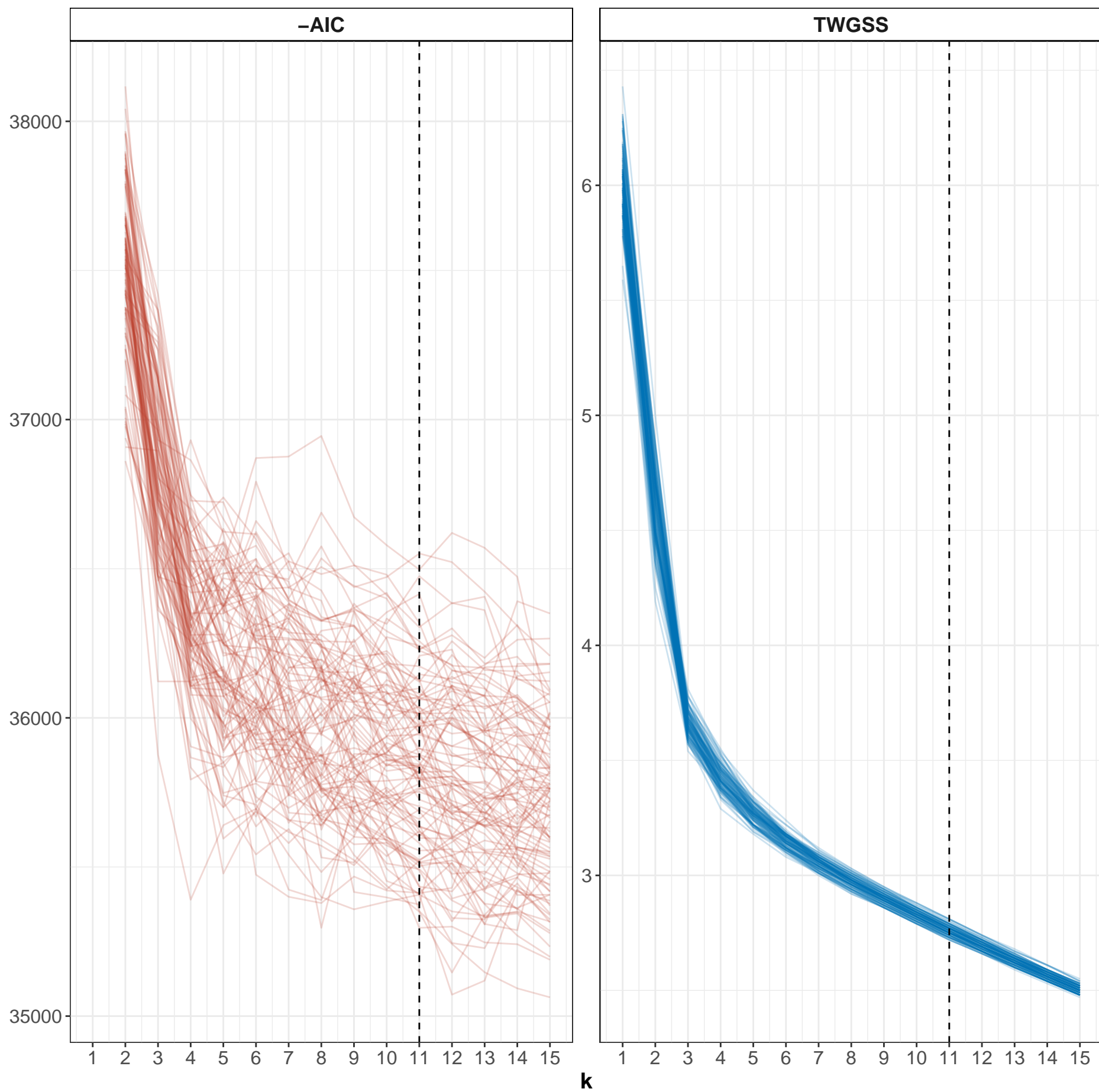
Elbow Plots for AIC and TWGSS, true $k = 11$, DQU = 90%, $n_{\text{sim}} = 100$



Elbow Plots for AIC and TWGSS, true $k = 11$, DQU = 92.5%, $n_{\text{sim}} = 100$



Elbow Plots for AIC and TWGSS, true $k = 11$, DQU = 95%, $n_{\text{sim}} = 100$



Elbow Plots for AIC and TWGSS, true $k = 11$, DQU = 97.5%, $n_{\text{sim}} = 100$

