Figure 1. Item characteristic curve for item 5 of the EdFED showing violation of monotonicity.

Figure 2. Item pair plot for items 3 & 9 of the EdFED showing intersection of items.

Figure 3. Item pair plot for items 1 & 3 of the EdFED showing a ceiling effect

Figure 4a. Item pair plots of EdFED items: a) (7 & 8) showing non-intersection.

Figure 4b. Item pair plots of EdFED items 7 & 9 showing non-intersection.

Figure 4c. Item pair plots of EdFED items: 7 & 10 showing non-intersection.

Figure 4d. Item pair plots of EdFED items 8 & 9 showing non-intersection.

Figure 4e. Item pair plots of EdFED items 8 & 10 showing non-intersection.

Figure 4f. Item pair plots of EdFED items 9 & 10 showing non-intersection

Figure 5a. Time 1 option characteristic curve plots of EdFED item 1.

Figure 5b. Time 1 option characteristic curve plots of EdFED item 2.

Figure 5c. Time 1 option characteristic curve plots of EdFED item 6.

Figure 5d. Time 1 option characteristic curve plots of EdFED item 9.

Figure 6a. Time 7 option characteristic curve plots of EdFED item 1.

Figure 6b. Time 7 option characteristic curve plots of EdFED item 2.

Figure 6c. Time 7 option characteristic curve plots of EdFED item 6.

Figure 6d. Time 7 option characteristic curve plots of EdFED item 9.

Figure 7. Time 1 information curve for EdFED.

Figure 8. Time 7 information curve for EdFED.