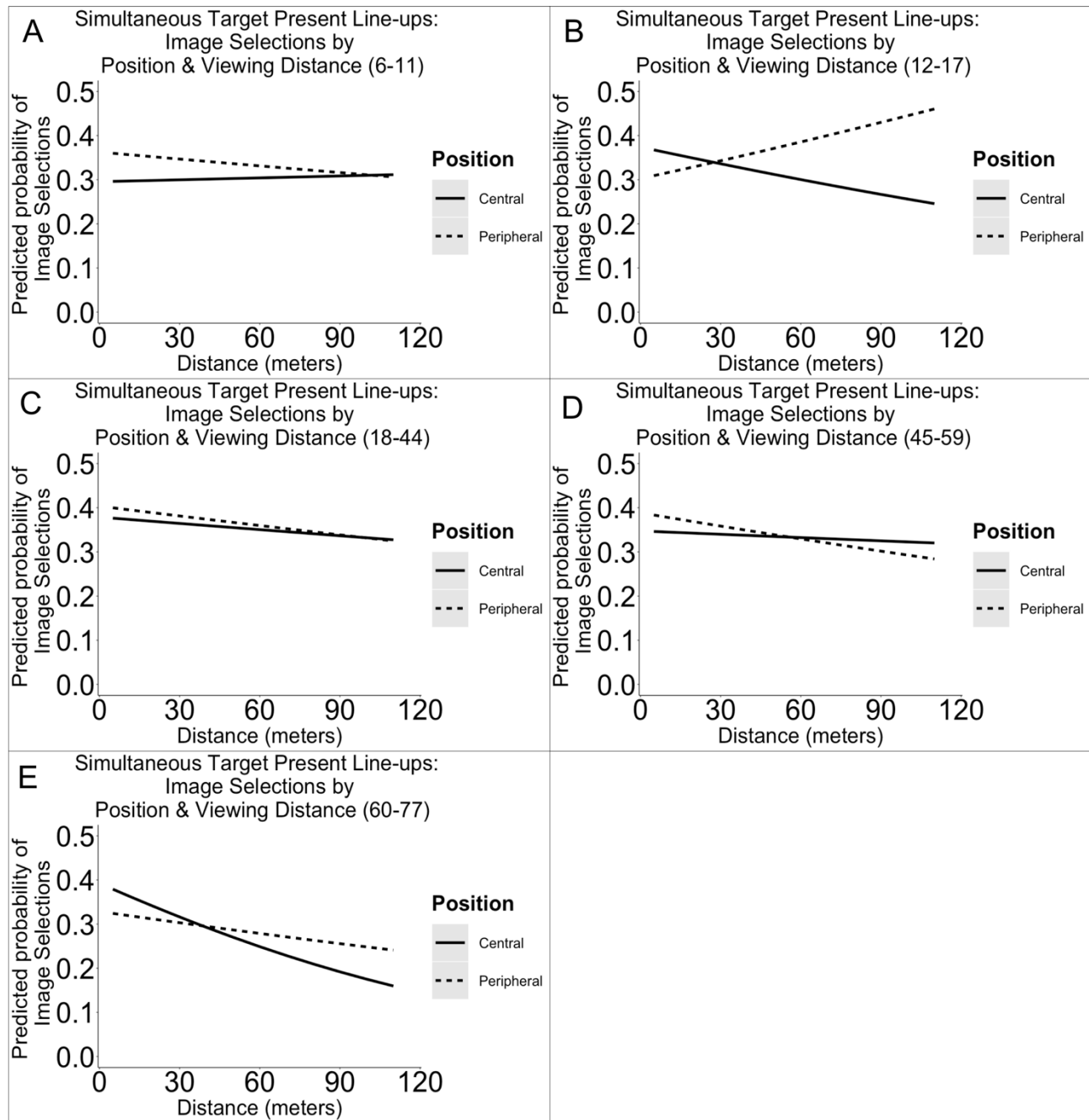*Figure 1*. Illustration of the predicted probabilities of image selections in simultaneous target present line-ups per dichotomized line-up position (central versus peripheral), distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
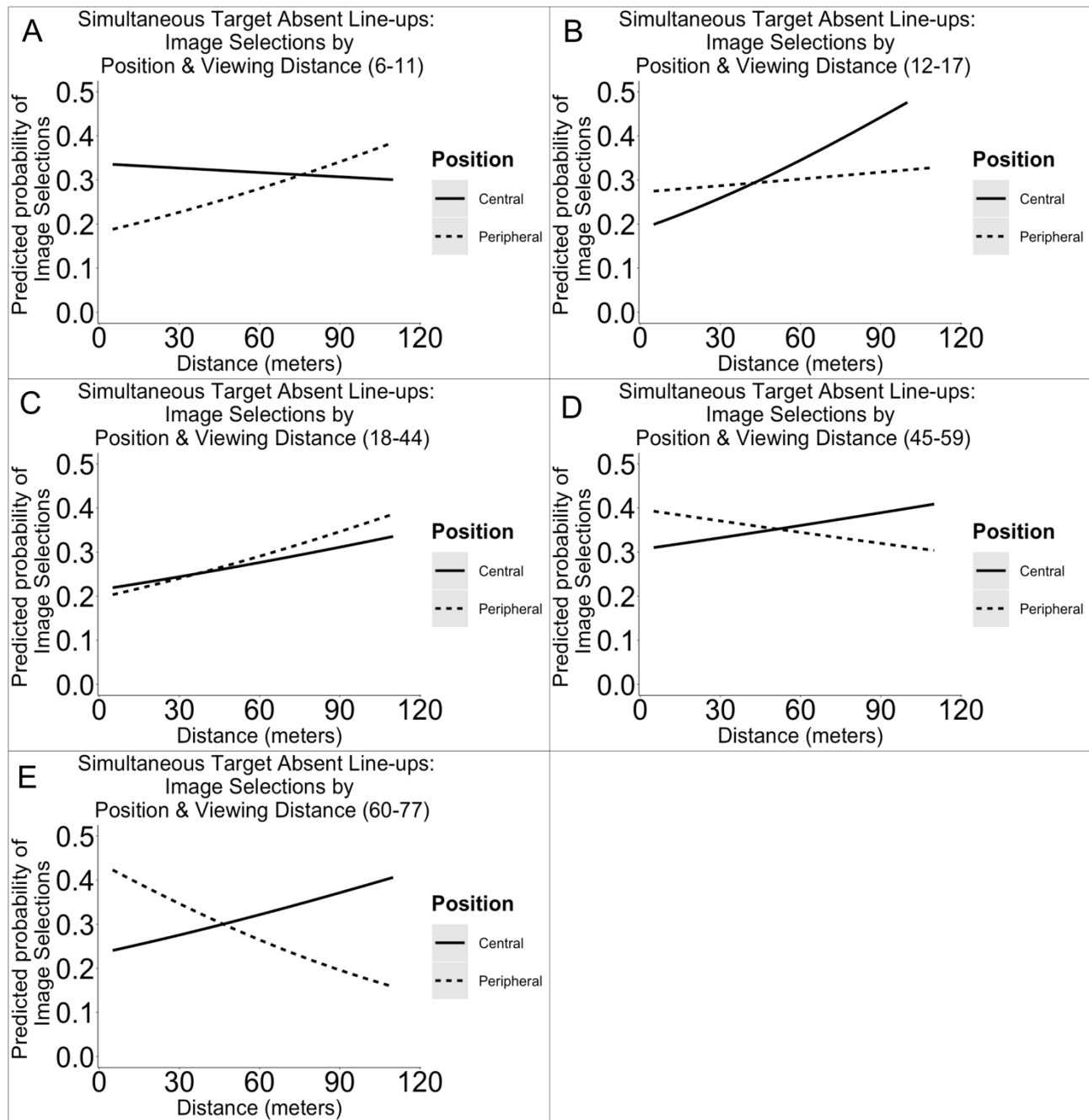
Figure 2. Illustration of the predicted probabilities of image selections in simultaneous target absent line-ups per dichotomized line-up position (central versus peripheral), distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
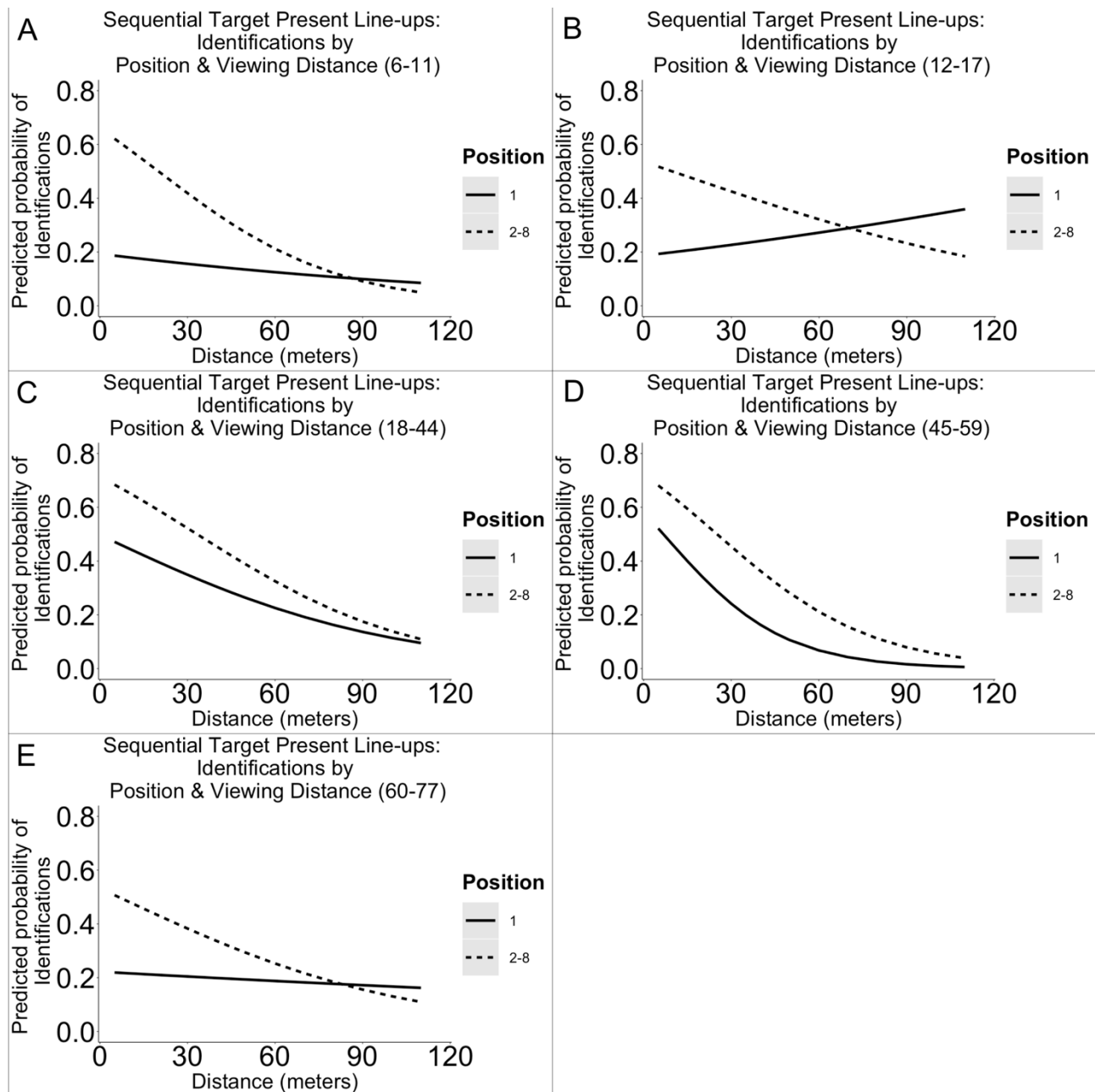
Figure 3. Illustration of the predicted probabilities of target identifications in sequential target present line-ups per dichotomized line-up position, distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
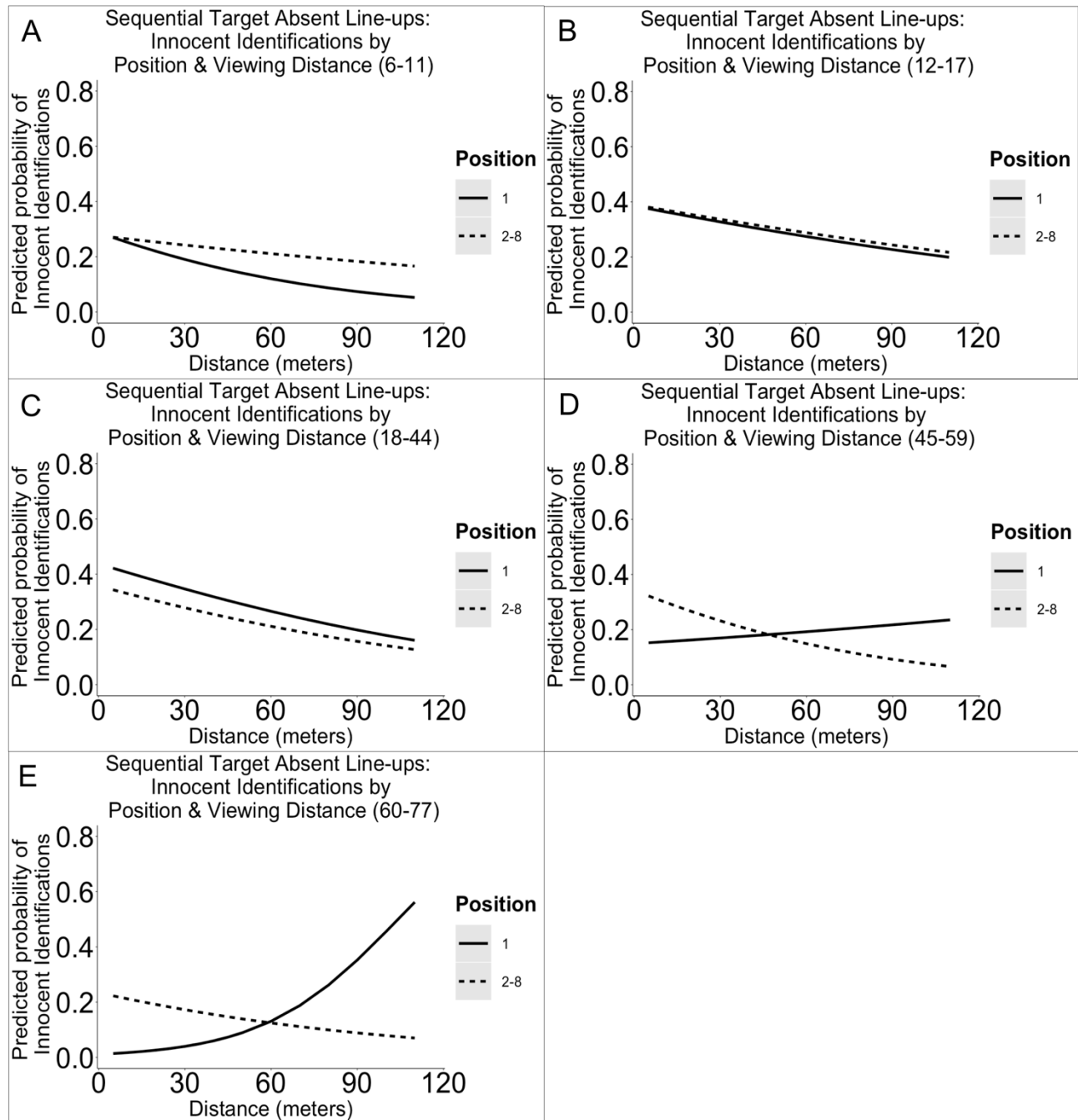
Figure 4. Illustration of the predicted probabilities of innocent identifications in sequential target absent line-ups per dichotomized line-up position, distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
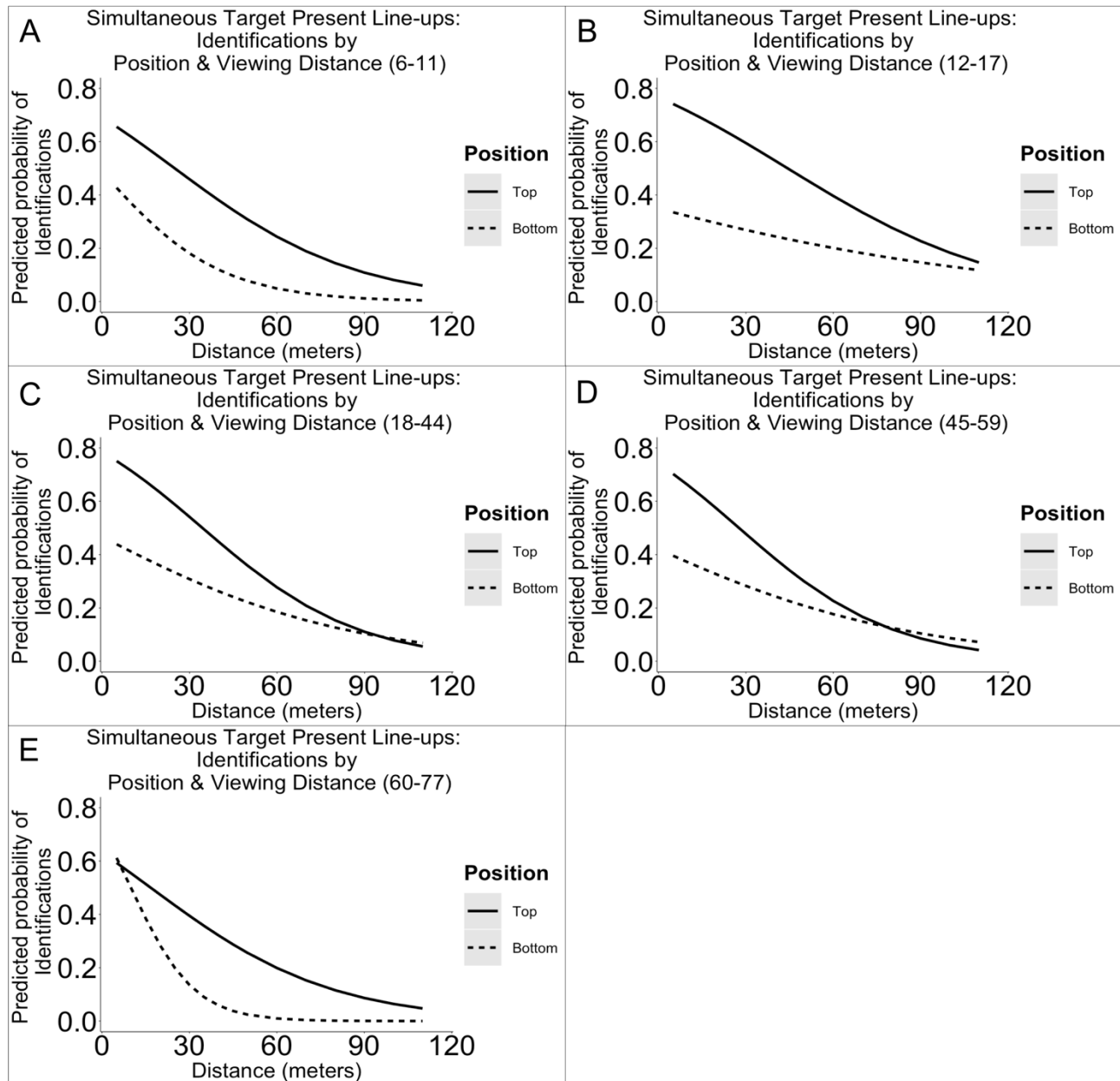
Figure 5. Illustration of the predicted probabilities of target identifications in simultaneous target present line-ups per dichotomized line-up position (top versus bottom), distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
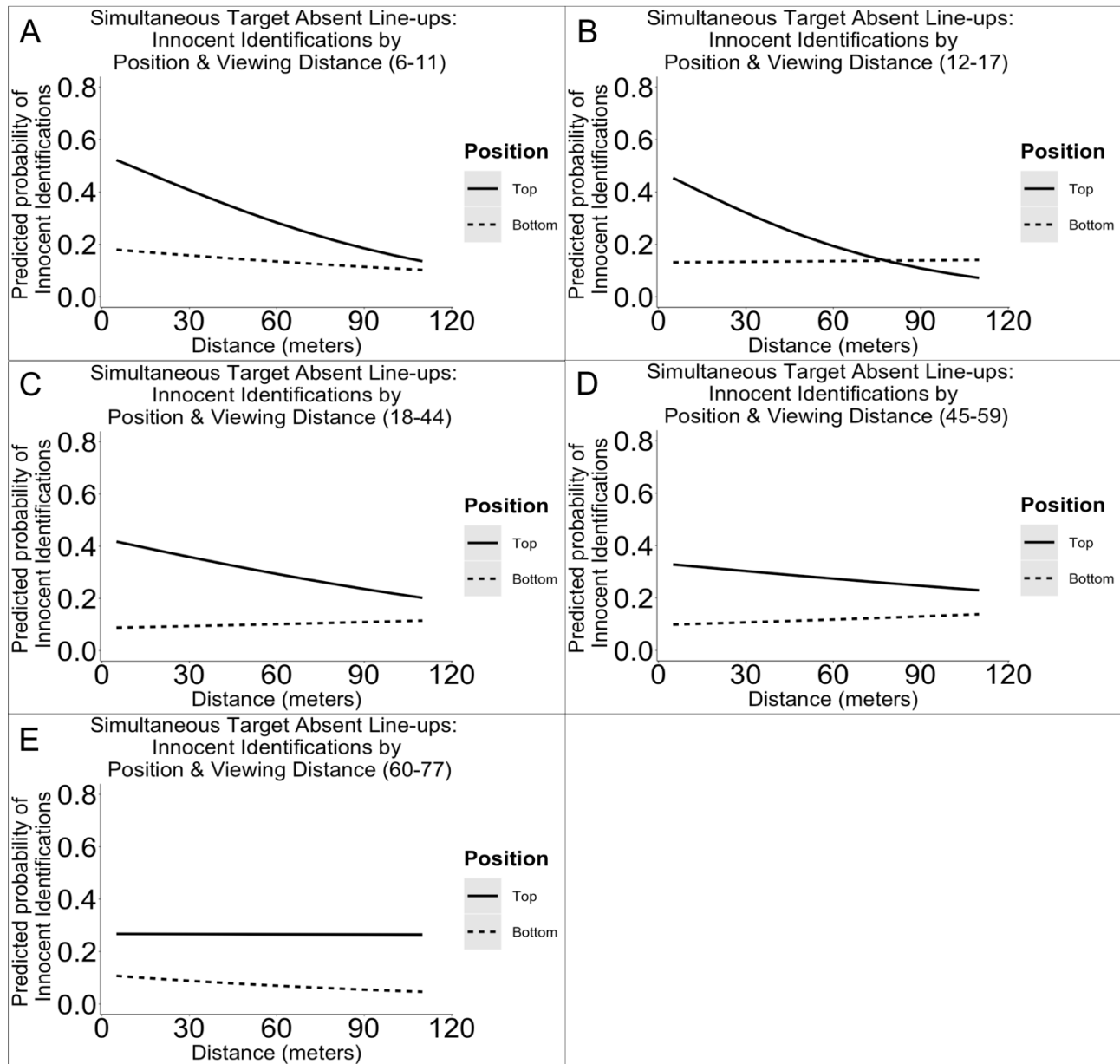
Figure 6. Illustration of the predicted probabilities of innocent identifications in simultaneous target absent line-ups per dichotomized line-up position (top versus bottom), distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
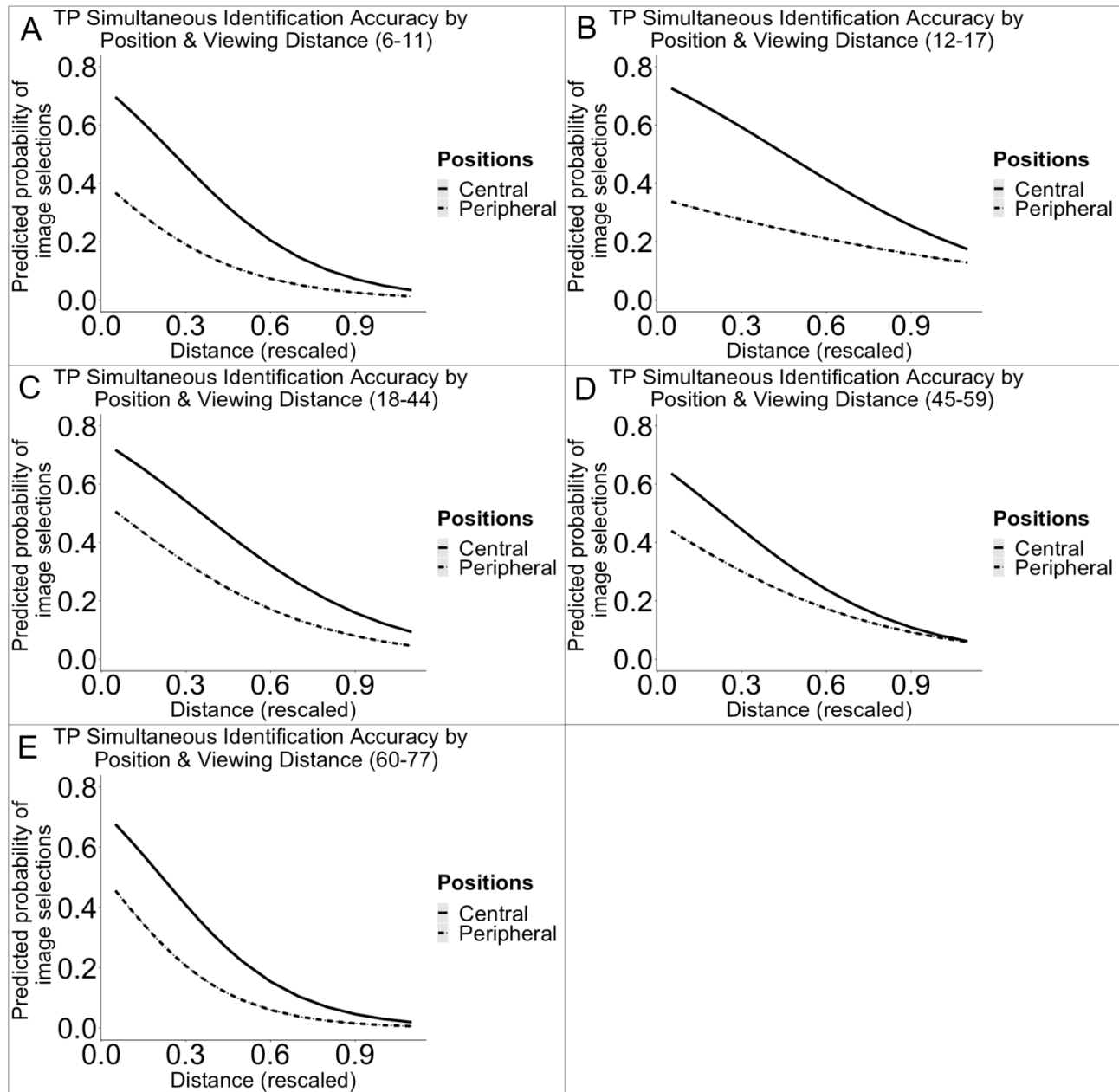
Figure 7. Illustration of the predicted probabilities of target identifications in simultaneous target present line-ups per dichotomized line-up position (central versus peripheral), distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.
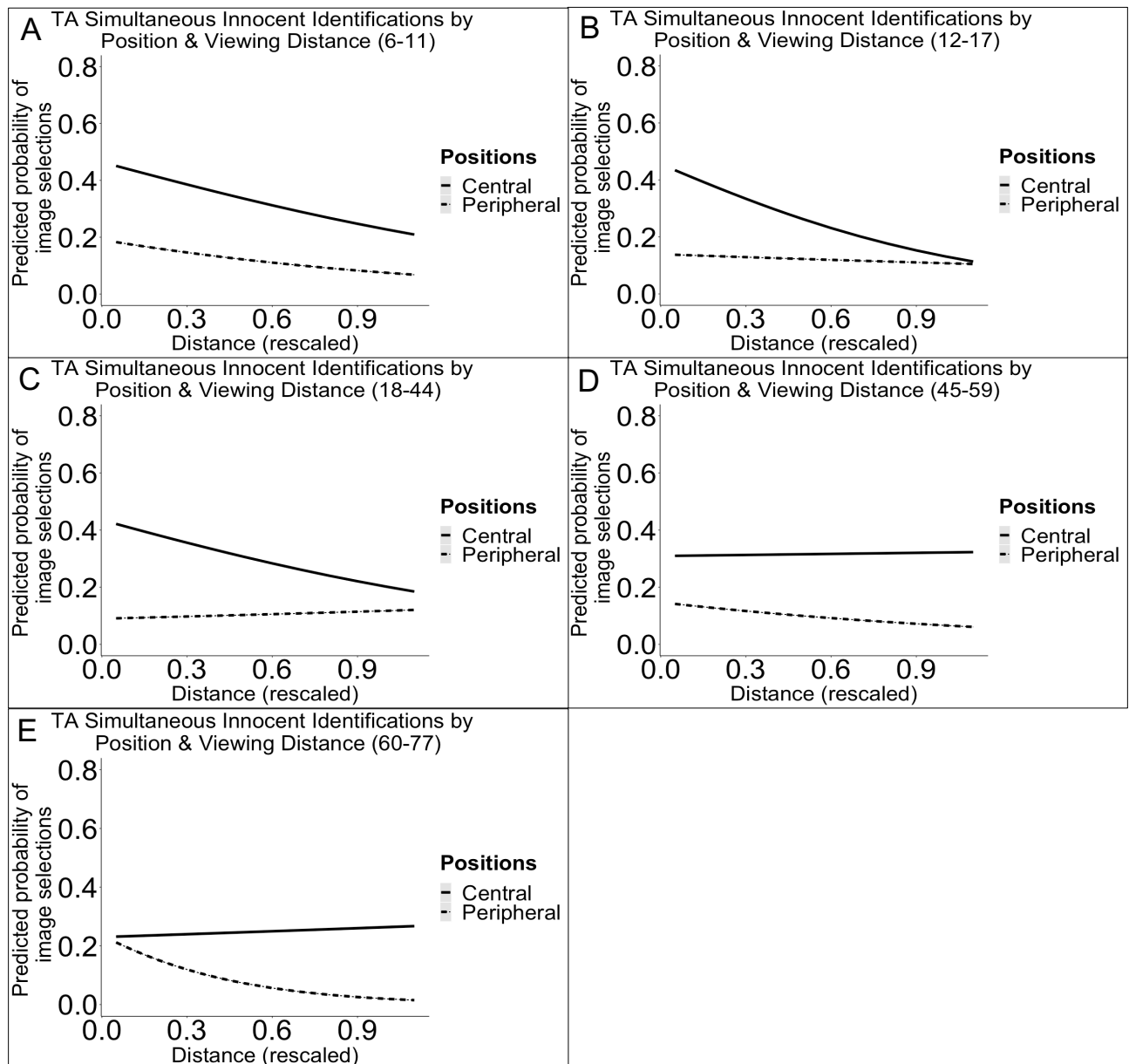
Figure 8. Illustration of the predicted probabilities of innocent identifications in simultaneous target absent line-ups per dichotomized line-up position (central versus peripheral), distance, and age group. Each panel represents the probabilities for a single age group: 6-11 **(A)**, 12-17 **(B)**, 18-44 **(C)**, 45-59 **(D)**, 60-77 **(E)**.