Appendix A: Test Visualization Examples

We display some visualization examples, including original and privacy-preserving visualizations used in our Study 1 (Figure 1) and Study 2 (Figure 2).
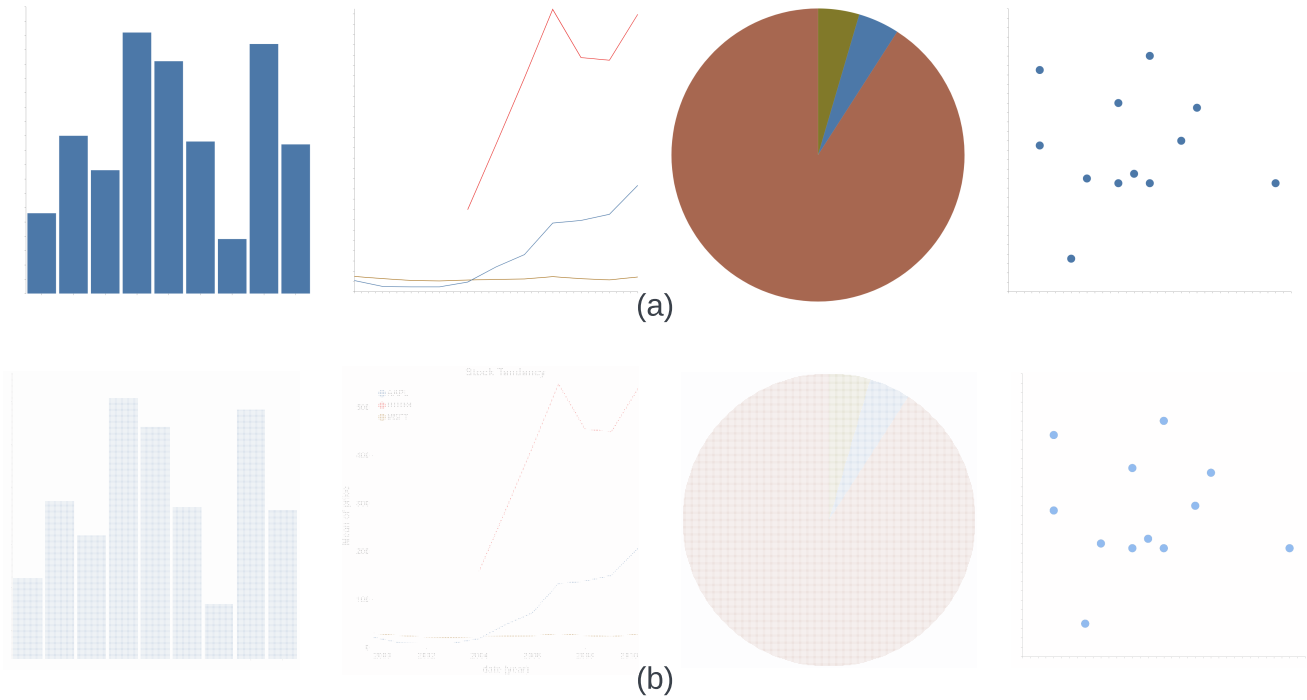

Figure 1: *A comparison of (a) original visualizations and (b) privacy-preserving visualization processed by coarse-grained masking. Note: due to the varying screen resolutions, the displayed visualization effect may differ from that on the phones in Study 1.*
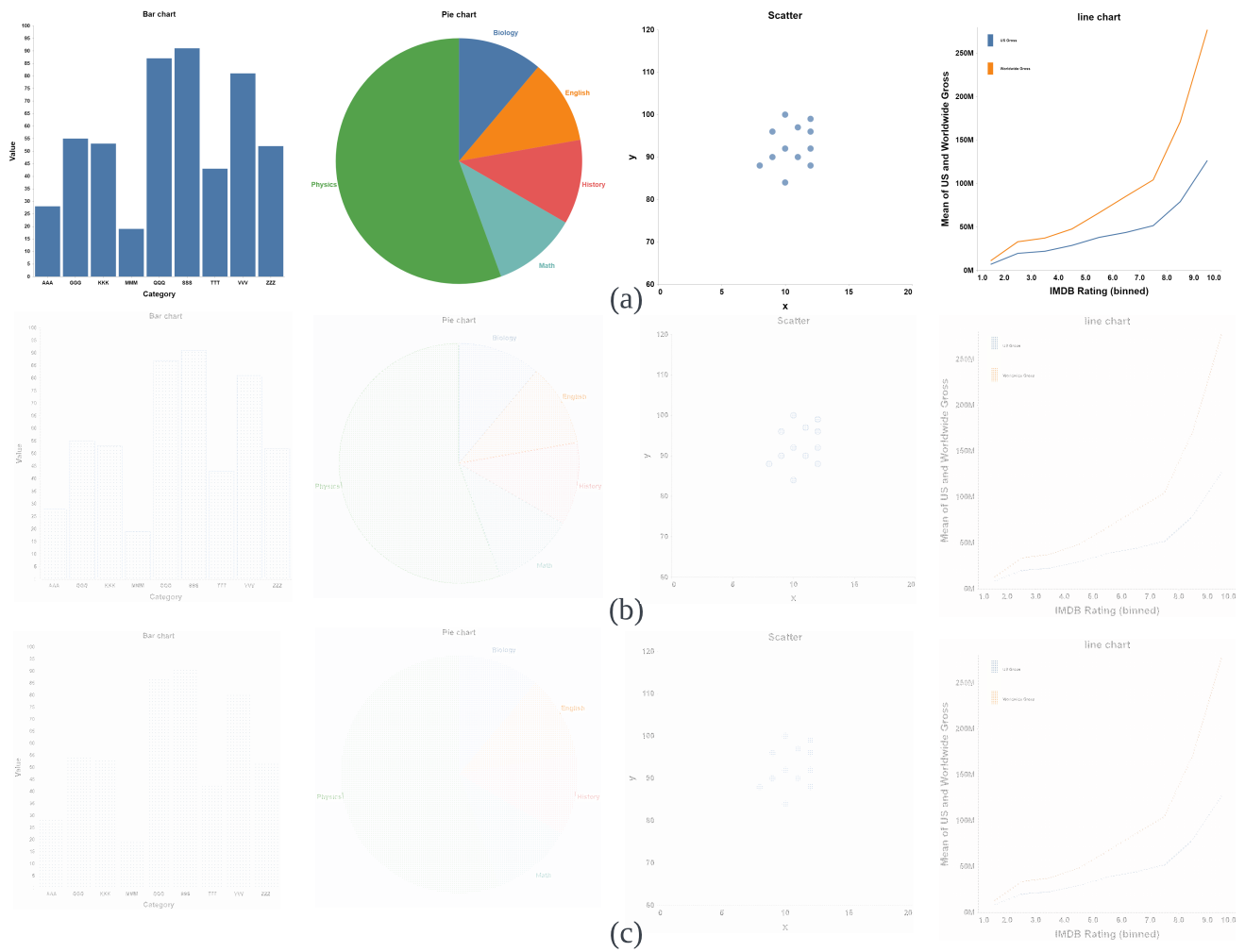
Figure 2: *Four visualization samples employed in Study 2: (a) Original Visualizations, (b) Coarse-grained Visualization, produced by applying coarse-grained masking, (c) Fine-grained Visualization, generated through both coarse- and fine-grained masking techniques. Note: The visualization effect may vary due to different screen resolutions compared to those on the phones used in Study 2.*