APPENDIX
Appendix

Extra results

In this Appendix, the extra plots of the visualisation techniques are given.

The $K$-means algorithms

![Figure A.1](image)

Figure A.1: Result of $K$-means algorithm using PCA with $c=3$
Figure A.2: Result of K-means algorithm using Sammon Mapping with c=3
Figure A.3: Result of K-means algorithm using Fuzzy Sammon Mapping with $c=3$
Appendix

The K-medoids Algorithm

Figure A.4: Result of K-medoids algorithm using PCA with c=3
Figure A.5: Result of K-medoids algorithm using Sammon Mapping with $c=3$
Figure A.6: Result of K-medoids algorithm using Fuzzy Sammon Mapping with c=3
Figure A.7: Result of Fuzzy C-means algorithm using PCA with c=3
Figure A.8: Result of Fuzzy C-means algorithm using Sammon Mapping with c=3
Figure A.9: Result of Fuzzy C-means algorithm using Fuzzy Sammon Mapping with $c=3$
Appendix

Gustafson-Kessel Algorithms

Figure A.10: Result of Gustafson-Kessel algorithm using PCA with $c=3$
Figure A.11: Result of Gustafson-Kessel algorithm using Sammon Mapping with c=3
Figure A.12: Result of Gustafson-Kessel algorithm using Fuzzy Sammon Mapping with $c=3$