R2 Memory Heatmap 30 -0 0.711 0.470 0.891 0.813 29 -0.362 0.803 0.626 0.928 0.836 0.914 28 -0.148 0.791 0.618 0.868 27 -0.143 0.817 0.636 0.903 0.836 - 0.8 26 -0.773 0.665 0.899 0.810 0.241 25 -0 0.732 0.679 0.877 0.803 24 -0.061 0.848 0.691 0.888 0.794 23 -0.161 0.855 0.744 0.906 0.901 22 -0.213 0.864 0.901 0.896 0.732 21 -0.173 0.880 0.708 0.894 0.872 20 -0 0.848 0.682 0.894 0.875 - 0.6 19 -0.103 0.868 0.751 0.861 0.845 Time window length 16 -16 -13 -13 -12 -0.119 0.859 0.772 0.869 0.891 0.179 0.866 0.641 0.896 0.891 0.836 0.891 0.868 0.163 0.766 0.207 0.854 0.739 0.883 0.832 0 0.835 0.699 0.899 0.860 - 0.4 0 0.874 0.909 0.868 0.605 12 -0.093 0.862 0.857 0.907 0.883 11 -0.245 0.855 0.810 0.895 0.894 10 -0 0.863 0.803 0.891 0.849 9 -0 0.891 0.860 0.906 0.871 0.226 0.876 0.889 0.859 8 -0.773 0 0.877 0.808 0.897 0.869 - 0.2 0.856 0.890 0.390 0.894 0.903 6 -

0.880 0.912 5 -0.185 0.901 0.867 0.895 0.842 0.892 0.851 0.081 4 -3 -0 0.904 0.881 0.909 0.881 0 0.887 0.838 0.880 0.830 2 -0 0.848 0.856 0.876 0.868 1 -0.0 **GRU** LR MLP RF **XGBoost** Model