

| | | A375 | | | | | | | | HT29 | | | | | | | | | |
|--|------------------|---------------------------------|---------------------------|-----|-----------------------|-----------------------|----------------|----------------|-----------------------|--|---------------------------------|---------------------------|-----|-----------------------|-----------------------|----------------|----------------|-----------------------|--|
| | | Autoencoders with classifier | CPA-based Autoencoders | DCS | DCS modified v1 | DCS modified v2 | FIT | TransCompR | direct translation | similarity- trained Autoencoders | Autoencoders with classifier | CPA-based Autoencoders | DCS | DCS modified v1 | DCS modified v2 | FIT | TransCompR | direct translation | similarity- trained Autoencoders |
| Autoencoders with classifier | pearson | 1 | 0.3447 | | | | 0.0539 | 0.9698 | | | 1 | 0.5205 | | | | 0.0028 | 0.6232 | | |
| | sign accuracy | 1 | 0.273 | | | | $\leq 10^{-3}$ | 0.8501 | | | 1 | 0.5205 | | | | $\leq 10^{-3}$ | 0.5205 | | |
| | spearman | 1 | 0.2123 | | | | $\leq 10^{-3}$ | 0.9698 | | | 1 | 0.6232 | | | | $\leq 10^{-3}$ | 0.6232 | | |
| CPA-based Autoencoders | pearson | | 1 | | | | 0.1405 | 0.3847 | | | | 1 | | | | | | | |
| | sign accuracy | | 1 | | | | $\leq 10^{-3}$ | 0.3447 | | | | 1 | | | | | | | |
| | spearman | | 1 | | | | $\leq 10^{-3}$ | 0.3447 | | | | 1 | | | | | | | |
| DCS | pearson | 0.273 | 0.6776 | 1 | 0.8501 | 0.0757 | 0.5205 | 0.3847 | 0.0312 | 0.3847 | 0.089 | 0.1859 | 1 | 0.9097 | 0.0211 | 0.5205 | 0.1405 | 0.0211 | 0.1859 |
| | sign accuracy | 0.3447 | 0.9698 | 1 | 0.9698 | 0.089 | $\leq 10^{-3}$ | 0.273 | 0.0257 | 0.6232 | 0.064 | 0.1859 | 1 | 0.9097 | 0.0539 | $\leq 10^{-3}$ | 0.1212 | 0.0173 | 0.3075 |
| | spearman | 0.4727 | 0.9698 | 1 | 1 | 0.089 | $\leq 10^{-3}$ | 0.3447 | 0.0257 | 0.6232 | 0.0757 | 0.273 | 1 | 0.9698 | 0.0539 | $\leq 10^{-3}$ | 0.1041 | 0.0113 | 0.2123 |
| DCS modified v1 | pearson | 0.3447 | 0.8501 | | 1 | 0.1041 | 0.5205 | 0.3847 | 0.0312 | 0.5205 | 0.089 | 0.1859 | | 1 | 0.0376 | 0.4274 | 0.1859 | 0.0211 | 0.1859 |
| | sign accuracy | 0.3447 | 0.9698 | | 1 | 0.089 | $\leq 10^{-3}$ | 0.273 | 0.0257 | 0.5708 | 0.064 | 0.273 | | 1 | 0.0376 | $\leq 10^{-3}$ | 0.1405 | 0.0173 | 0.273 |
| | spearman | 0.3447 | 1 | | 1 | 0.1041 | $\leq 10^{-3}$ | 0.3075 | 0.0257 | 0.6776 | 0.064 | 0.3075 | | 1 | 0.0376 | $\leq 10^{-3}$ | 0.1405 | 0.0113 | 0.2123 |
| DCS modified v2 | pearson | 0.4727 | 0.1041 | | | 1 | 0.0312 | 0.3075 | 0.0013 | 0.2413 | 0.4727 | 0.3075 | | | 1 | 0.0017 | 0.3075 | $\leq 10^{-3}$ | 0.4274 |
| | sign accuracy | 0.3075 | 0.1212 | | | 1 | $\leq 10^{-3}$ | 0.4727 | 0.0017 | 0.3447 | 0.5708 | 0.273 | | 1 | $\leq 10^{-3}$ | 0.2413 | $\leq 10^{-3}$ | | 0.3075 |
| | spearman | 0.273 | 0.1041 | | | 1 | $\leq 10^{-3}$ | 0.4274 | 0.001 | 0.2123 | 0.6776 | 0.3075 | | 1 | $\leq 10^{-3}$ | 0.2413 | $\leq 10^{-3}$ | | 0.273 |
| direct translation | pearson | 0.0022 | 0.0073 | | | | 0.0312 | 0.0058 | 1 | | $\leq 10^{-3}$ | $\leq 10^{-3}$ | | | | 0.014 | $\leq 10^{-3}$ | 1 | |
| | sign accuracy | 0.0022 | 0.0073 | | | | $\leq 10^{-3}$ | 0.0028 | 1 | | $\leq 10^{-3}$ | 0.001 | | | | $\leq 10^{-3}$ | $\leq 10^{-3}$ | 1 | |
| | spearman | 0.0022 | 0.0073 | | | | $\leq 10^{-3}$ | 0.0022 | 1 | | $\leq 10^{-3}$ | $\leq 10^{-3}$ | | | | $\leq 10^{-3}$ | $\leq 10^{-3}$ | 1 | |
| FIT | pearson | | | | | | 1 | 0.0757 | | | | 0.0257 | | | | 1 | 0.0091 | | |
| | sign accuracy | | | | | | 1 | $\leq 10^{-3}$ | | | | $\leq 10^{-3}$ | | | | 1 | $\leq 10^{-3}$ | | |
| | spearman | | | | | | 1 | $\leq 10^{-3}$ | | | | $\leq 10^{-3}$ | | | | 1 | $\leq 10^{-3}$ | | |
| similarity- trained Autoencoders | pearson | 0.5205 | 0.6232 | | | | 0.1041 | 0.7337 | 0.0036 | 1 | 0.5205 | 0.7913 | | | | 0.0173 | 0.9097 | $\leq 10^{-3}$ | 1 |
| | sign accuracy | 0.5708 | 0.7913 | | | | $\leq 10^{-3}$ | 0.5205 | 0.0046 | 1 | 0.5708 | 1 | | | | $\leq 10^{-3}$ | 1 | 0.001 | 1 |
| | spearman | 0.5708 | 0.8501 | | | | $\leq 10^{-3}$ | 0.7337 | 0.0036 | 1 | 0.6232 | 0.9698 | | | | $\leq 10^{-3}$ | 0.9097 | $\leq 10^{-3}$ | 1 |
| TransCompR | pearson | | | | | | | 1 | | | | 0.9698 | | | | | 1 | | |
| | sign accuracy | | | | | | | 1 | | | | 0.9698 | | | | | 1 | | |
| | spearman | | | | | | | 1 | | | | 0.7913 | | | | | 1 | | |