# Models

Models' architecture

|           | Enc. Blocks | Dec. Blocks | Pos. Encoding | Embedding | Output Steps |
|-----------|-------------|-------------|---------------|-----------|--------------|
| **Model 1** | 1 | 1 | Learnable | 8 | 4 |

**Model 1** Results

**Yearly**

|            | Finance | Macro | Micro | Industry | Demographic |
|------------|---------|-------|-------|----------|-------------|
| Train Loss | ? | ? | ? | ? | ? |
| Test Loss  | ? | ? | ? | ? | ? |
| ID         | ? | ? | ? | ? | ? |

**Quarterly**

|            | Finance | Macro | Micro | Industry | Demographic |
|------------|---------|-------|-------|----------|-------------|
| Train Loss | 0.4248 | 0.1124 | 0.6787 | 0.7141 | 0.1186 |
| Test Loss  | 0.1458 | 0.1177 | 0.1321 | 0.1772 | 0.1419 |
| ID         | 1321 | 1041 | 840 | 873 | 1345 |

Time Series Data from M3C Dataset