

The graph illustrates the relationship between the number of SE-ResNet blocks and filters and the resulting Mean Absolute Error (MAE) over 15 epochs. The configurations are as follows:

- 3 SE-ResNet blocks 64 filters (solid blue line)
- 4 SE-ResNet blocks 64 filters (dashed orange line)
- 5 SE-ResNet blocks 64 filters (dash-dot green line)
- 6 SE-ResNet blocks 64 filters (dotted red line)
- 7 SE-ResNet blocks 64 filters (solid purple line with markers)
- 8 SE-ResNet blocks 128 filters (solid brown line)
- 9 SE-ResNet blocks 128 filters (dashed pink line)
- 10 SE-ResNet blocks 128 filters (dashed grey line)
- 11 SE-ResNet blocks 128 filters (dotted yellow line)
- 12 SE-ResNet blocks 128 filters (solid cyan line with markers)

The MAE decreases for all configurations as the number of epochs increases. The configuration with 12 SE-ResNet blocks and 128 filters (solid cyan line with markers) achieves the lowest MAE, starting at approximately 315 and ending at approximately 145. The configuration with 3 SE-ResNet blocks and 64 filters (solid blue line) achieves the highest MAE, starting at approximately 355 and ending at approximately 175.

Epoch	3 SE-ResNet blocks 64 filters	4 SE-ResNet blocks 64 filters	5 SE-ResNet blocks 64 filters	6 SE-ResNet blocks 64 filters	7 SE-ResNet blocks 64 filters	8 SE-ResNet blocks 128 filters	9 SE-ResNet blocks 128 filters	10 SE-ResNet blocks 128 filters	11 SE-ResNet blocks 128 filters	12 SE-ResNet blocks 128 filters
1	355	345	325	320	350	315	315	315	315	315
2	275	265	265	265	265	265	265	265	265	265
3	260	255	245	245	250	245	245	235	235	245
4	250	245	220	240	240	205	215	195	200	215
5	240	235	215	235	230	180	205	180	180	190
6	235	230	205	215	195	175	175	170	170	175
7	235	205	185	180	180	170	170	165	165	170
8	230	195	180	175	170	165	165	160	160	165
9	230	190	175	170	170	160	165	155	155	165
10	225	185	170	165	170	155	160	150	150	160
11	220	180	165	160	165	150	155	145	145	155
12	200	170	165	160	160	150	155	145	145	155
13	185	170	160	155	160	150	150	145	145	150
14	175	165	155	150	155	145	145	145	145	145
15	170	165	155	145	155	145	145	145	145	145

The graph illustrates the relationship between the number of SE-ResNet blocks, the number of filters, and the resulting R^2 value over 15 epochs. The x-axis represents the Epoch (1 to 15), and the y-axis represents R^2 (0.4 to 0.9). The legend identifies ten different configurations:

- 3 SE-ResNet blocks 64 filters (solid blue line)
- 4 SE-ResNet blocks 64 filters (dashed orange line)
- 5 SE-ResNet blocks 64 filters (dash-dot green line)
- 6 SE-ResNet blocks 64 filters (dotted red line)
- 7 SE-ResNet blocks 64 filters (solid purple line with markers)
- 8 SE-ResNet blocks 128 filters (solid brown line)
- 9 SE-ResNet blocks 128 filters (dashed pink line)
- 10 SE-ResNet blocks 128 filters (dash-dot grey line)
- 11 SE-ResNet blocks 128 filters (dotted yellow line)
- 12 SE-ResNet blocks 128 filters (solid cyan line with markers)

Key observations from the graph:

- Increasing blocks and filters:** Configurations with more blocks and filters generally achieve higher R^2 values faster and reach higher plateaus.
- Plateauing:** Most configurations reach a plateau between epoch 8 and 10. For example, the 12 SE-ResNet blocks 128 filters configuration (cyan line) reaches an R^2 of approximately 0.95 by epoch 15.
- Lowest performance:** The configuration with the fewest blocks and filters (3 SE-ResNet blocks 64 filters, solid blue line) shows the slowest growth and lowest final R^2 value of approximately 0.79.