Predicting the IM-SRG Flow with Recurrent Neural Networks

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- Notes -

1. Baseline: Reformulate neural network as an extrapolator, build best deep neural network possible
   (a) Shape: For a 'ddd' network, I tested [100,100,100], [10, 90, 200], and [200, 90, 10] architectures
2. EarlyStopping tuning
3. Tests:
   (a) For a given g, train on $E(s < s_{train})$, test on $E(s > s_{train})$.
   (b) Train on $E(s)$ for small g, test on $E(s)$ for large g.
   (c) For small g, train on $E(s < s_{train})$ and make prediction of $E(s)$. Then train on predicted $E(s)$ for small g and test on $E(s)$ for large g.

I. INTRODUCTION

II. METHOD