

Monday:

- (NA) - Multiplicative noise addition (heat PDE) ✓
- (SS) - Additive noise addition (Hbd)
- (NA) - Random perturbations (heat PDE) in progress.
- (SZ) - finalize datasets — finite set of PDE seems to be best approach — heat, NL Schrod (look for others) } → look @ type of PDEs too.

Tuesday:

- build KINN: refer to paper, use as blueprint. (SZ)
- integrate noise into a single framework (SS, NA)
 - ↳ random selection of noise?
 - ↳ combined avg.?
 - ↳ weighted average?
 - ↳ certain noise better for certain PDE?

Wednesday:

- enhance KINN by parameter adjustment: (SS, NA)
 - ↳ dynamic learning rates
 - ↳ noise estimation techniques.

Thursday:

- (SS, SZ, NA) - run simulations to see how KINN is working w/ different types of noise
 - ↳ gaussian
 - ↳ non gaussian
 - ↳ random
 - ↳ multiplicative
 - ↳ additive.
- performance comparison — metrics??

Friday:

- final testing — edge cases new PDE — if work: yay (SS, SZ, NA)
else: boo.