Grammar error correction

Ideas and approaches
What is grammar error correction?

- Mapping (≈transformation)
  rihgt --> right
  Your son he is --> He is your son.
- Generate + noise = error
  right + noise = rihgt
  He is your son. + noise = Your son he is.
Interesting questions:

- What is noise?
- What is the procedure/grammar for generating?
- How do you recognize an error? What rule is violated?
  - Frequency is (not) an answer?
Practical engineering approach

- Create a useful program
  - Correct some errors
  - Redefine the task
- Transformation by a black box
- How to get a (good) (big) (real-life) (error) corpus
Topics

- GC is impossible
- Rule based, classification-based, SMT, NMT, hybrid GC
- Hypotheses representation
- Error types
- Evaluation metrics
- Text corpus
- Error synthesis