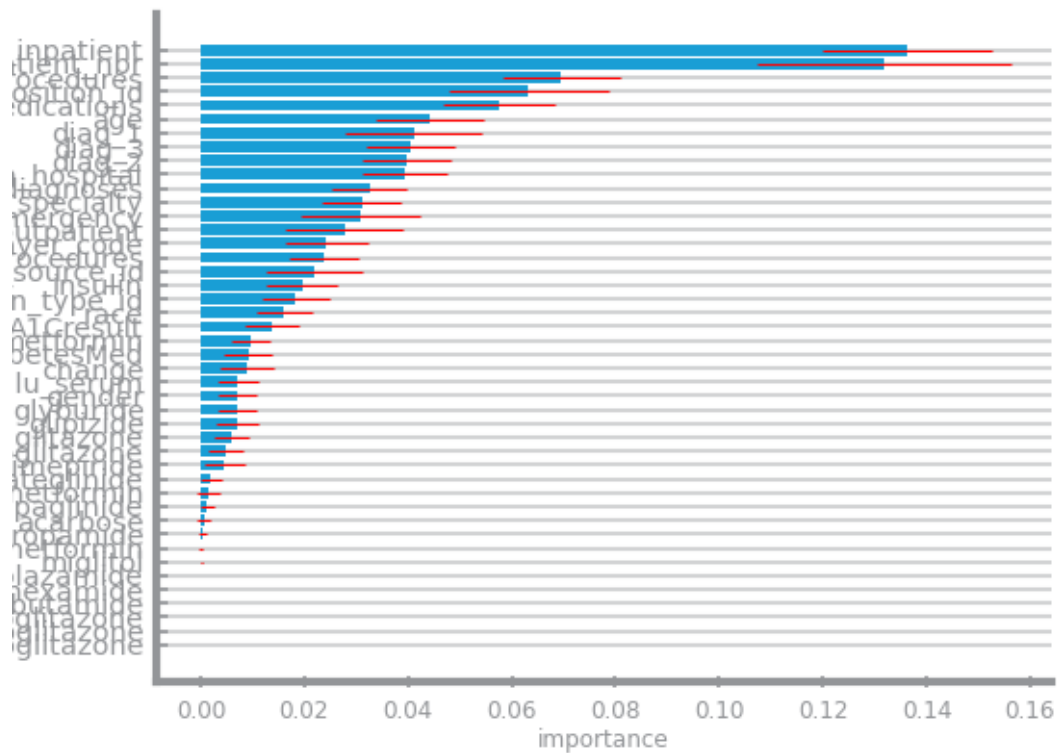


## Random Forest Features importance



Best results with depth=10, 0.30 features and 25 estimators, with accuracy=0

1. feature number\_inpatient (0.13611635663844357)
2. feature patient\_nbr (0.1318373523299853)
3. feature num\_lab\_procedures (0.06959549071275938)
4. feature discharge\_disposition\_id (0.0631705509238554)
5. feature num\_medications (0.05752714832053068)
6. feature age (0.04418960679881778)
7. feature diag\_1 (0.041115673198769596)
8. feature diag\_3 (0.04043101834211456)
9. feature diag\_2 (0.03974599003349903)
10. feature time\_in\_hospital (0.03928647167862179)
11. feature number\_diagnoses (0.032534084720552484)
12. feature medical\_specialty (0.031061710759033183)
13. feature number\_emergency (0.030899975542863427)
14. feature number\_outpatient (0.027758753749508494)
15. feature payer\_code (0.024282809579959826)
16. feature num\_procedures (0.023770983511272454)
17. feature admission\_source\_id (0.021989031276844588)
18. feature insulin (0.01956434980620636)
19. feature admission\_type\_id (0.018331979161229844)
20. feature race (0.015984198711064896)
21. feature A1Cresult (0.013854704235785586)
22. feature metformin (0.009537370815039149)
23. feature diabetesMed (0.009197144461609264)
24. feature change (0.008891510754976744)
25. feature max\_glu\_serum (0.0072137679372465385)
26. feature gender (0.0070657342738165915)
27. feature glyburide (0.007007622548210408)