

During the course of this project, I noticed a tradeoff between the generalization of my approach and the accuracy of the results. In simpler words, if the template was hand-designed (which is ideal for cases where there's a single form that's filled millions of times) the results would be close to human standards, considering the model used generalizes well across different handwritings. Again, I've chosen what I considered to be the best balance between generalization among different forms and accuracy (which is outstandingly high considering I didn't have resources to augment data with external noise and the processing power to train more advanced models (see the improvement section in "extra.pdf" for more))

It can be noticed that I've taken only a part of page 1. This was for two reasons. First, we need a decent resolution (see the first assumption in "extra.pdf"). Second, I am confident that my approach will work on the whole form with accurate results. Here's the input image "pg1.PNG". :

SBI General Insurance Company Limited
 IRDAI of India Reg. No. 144 dated 15/12/2009 | CIN: U66000MH2009PLC190546 | UIN: SBG-MO-P12-57-V02-11-12

PRIVATE CAR/TWO WHEELER INSURANCE POLICY
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Proposal Form
 The queries stated below are minimum requirement to be furnished by a Proposer. The insurer may seek more information as desired for underwriting purpose.

☒ Pvt Car ☐ Two Wheeler Proposal for: ☐ New ☒ Renewal ☐ Roll Over ☐ Used ☐ Endorsement

☒ Package ☐ Liability

FOR OFFICE USE

Proposal No. 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0
 Quote No. 0 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1
 Inward No. 6 7 8 9 0 5 4 3 2 1 6 7 8 9 0 5 4 3 2 1
 Break-in Inspection No. 1 0 2 9 3 8 4 7 5 6 1 0 2 9 3 8 4 7 5 6
 Business Sector ☒ Urban ☐ Rural ☐ Social GSTIN/ISDN IF APPLICABLE Customer Segment ☐ Agency ☐ Banca ☒ Corporate/Broking ☐ Direct

RM Code 3 4 5 6 7 8 9
 Secondary RM Code 0 9 8 7 6 5 4
 Receipt No. 5 6 4 7 3 2 0
 Agreement Code 7 4 8 1 9 7 4 9
 Agreement Name a b c d x y g d
 Receipt Date 1 2 1 2 2 0 0 0
 SP Code 8 3 9 2 9 9 0 0 0 2
 State

And the results:

Package/Liability: Package
 Pvt Car/ 2 wheeler: Pvt Car
 Proposal for: Renewal
 Proposal Number: 12345678901234567890
 RM Code: 3456789
 Agreement Code: 74819749
 Quote Number: 09876543210987654321
 Secondary RM Code: 0987654
 Agreement Name: abcdfyqd
 Inward Number: 67890543216789054321
 Receipt Number: 5647320
 Receipt Date: 2000-12-12 00:00:00
 Break-in Inspection Number: 10293847561029384756
 SP Code: 83929900002
 Business Sector: Urban
 Customer Segment: Corporate/Broking