**BLEU SCORES FOR INCEPTIONV3 USING BEAM SEARCH SIZE=5**

|  |  |  |
| --- | --- | --- |
| **512** | **1024** | **2048** |
| ---------- model-ep001-loss2.7927-val\_loss2.4374.h5  BLEU-1 0.3496713081991846  BLEU-2 0.16840721868061337  BLEU-3 0.07613344908384527  BLEU-4 0.049567012427808504  ---------- model-ep002-loss2.2079-val\_loss2.1530.h5  BLEU-1 0.49588588154953334  BLEU-2 0.2826116332779909  BLEU-3 0.14262842482596494  BLEU-4 0.088279914456678  ---------- model-ep003-loss2.0263-val\_loss2.0383.h5  BLEU-1 0.5236780117854203  BLEU-2 0.3079611001413663  BLEU-3 0.16108732491861627  BLEU-4 0.10002099189453688  ---------- model-ep004-loss1.9250-val\_loss1.9690.h5  BLEU-1 0.5234006532904756  BLEU-2 0.3084307403579844  BLEU-3 0.17317814752857358  BLEU-4 0.10871189147562103  ---------- model-ep005-loss1.8615-val\_loss1.9302.h5  BLEU-1 0.5327508265645396  BLEU-2 0.322669581695122  BLEU-3 0.1819404631083623  BLEU-4 0.1138888678588212  ---------- model-ep006-loss1.8141-val\_loss1.8929.h5  BLEU-1 0.5404597642652693  BLEU-2 0.3351848632076092  BLEU-3 0.20062192067031578  BLEU-4 0.12894920469152102  ---------- model-ep007-loss1.7789-val\_loss1.8699.h5  BLEU-1 0.5340272292323363  BLEU-2 0.33469005710867916  BLEU-3 0.20189077314835388  BLEU-4 0.12970854621266384  ---------- model-ep008-loss1.7502-val\_loss1.8456.h5  BLEU-1 0.5385228373615969  BLEU-2 0.3411002104261259  BLEU-3 0.21155881231140053  BLEU-4 0.1387018560264987  ---------- model-ep009-loss1.7264-val\_loss1.8356.h5  BLEU-1 0.5500880147871826  BLEU-2 0.3559192343746663  BLEU-3 0.22111465874630223  BLEU-4 0.1447933886273998  ---------- model-ep010-loss1.7068-val\_loss1.8223.h5  BLEU-1 0.5481741802537229  BLEU-2 0.35644864063980525  BLEU-3 0.2255208252638162  BLEU-4 0.1477353676897115  ---------- model-ep011-loss1.6897-val\_loss1.8218.h5  BLEU-1 0.5658480375555057  BLEU-2 0.3688536744195798  BLEU-3 0.23182499313500296  BLEU-4 0.15112703692125687  ---------- model-ep012-loss1.6748-val\_loss1.8043.h5  BLEU-1 0.5639946121596653  BLEU-2 0.36898517080871424  BLEU-3 0.23166407881397735  BLEU-4 0.1513630215137937  ---------- model-ep013-loss1.6617-val\_loss1.7997.h5  BLEU-1 0.5654066315417338  BLEU-2 0.37185857368508207  BLEU-3 0.23674470264558375  BLEU-4 0.15396471840302983  ---------- model-ep014-loss1.6506-val\_loss1.7878.h5  BLEU-1 0.567354541195103  BLEU-2 0.3743117103628506  BLEU-3 0.23753292916945126  BLEU-4 0.15781948391214295  ---------- model-ep015-loss1.6395-val\_loss1.7881.h5  BLEU-1 0.5720546133753165  BLEU-2 0.3764618705094669  BLEU-3 0.2393578167760175  BLEU-4 0.1580533392969282  ---------- model-ep016-loss1.6307-val\_loss1.7728.h5  BLEU-1 0.5760288415606754  BLEU-2 0.3824144706692887  BLEU-3 0.24388238878255972  BLEU-4 0.15979840243169838  ---------- model-ep017-loss1.6221-val\_loss1.7811.h5  BLEU-1 0.587262523720901  BLEU-2 0.39005004263596255  BLEU-3 0.25113619684144045  BLEU-4 0.1655020309922783  ---------- model-ep018-loss1.6153-val\_loss1.7823.h5  BLEU-1 0.5793360300575684  BLEU-2 0.3862705632745341  BLEU-3 0.24663099201235236  BLEU-4 0.1636794268303518  ---------- model-ep019-loss1.6081-val\_loss1.7875.h5  BLEU-1 0.5817544058870884  BLEU-2 0.3885387289279969  BLEU-3 0.2506058162549919  BLEU-4 0.16573523596273596  ---------- model-ep020-loss1.6019-val\_loss1.7589.h5  BLEU-1 0.5833549649830697  BLEU-2 0.38857058541507067  BLEU-3 0.24863064267841836  BLEU-4 0.1635767518904132  ---------- model-ep021-loss1.5958-val\_loss1.7527.h5  BLEU-1 0.5854983170521052  BLEU-2 0.392861233728171  BLEU-3 0.25192027255589744  BLEU-4 0.167387761227859  ---------- model-ep022-loss1.5902-val\_loss1.7750.h5  BLEU-1 0.5887564081709242  BLEU-2 0.39692987041494693  BLEU-3 0.2544411894284558  BLEU-4 0.16783981962226854  ---------- model-ep023-loss1.5852-val\_loss1.7536.h5  BLEU-1 0.5895316908449287  BLEU-2 0.3958872802419515  BLEU-3 0.25752247653553917  BLEU-4 0.1729285838266089  ---------- model-ep024-loss1.5806-val\_loss1.7424.h5  BLEU-1 0.5829175859106381  BLEU-2 0.3876873523899034  BLEU-3 0.24968583006241654  BLEU-4 0.16655744899087746  ---------- model-ep025-loss1.5759-val\_loss1.7500.h5  BLEU-1 0.5882251070237774  BLEU-2 0.39553849039300915  BLEU-3 0.2583151950328126  BLEU-4 0.17314234313680163  ---------- model-ep026-loss1.5714-val\_loss1.7516.h5  BLEU-1 0.5898511619374669  BLEU-2 0.3923848043446212  BLEU-3 0.25358972672872737  BLEU-4 0.16716537261997386  ---------- model-ep027-loss1.5671-val\_loss1.7408.h5  BLEU-1 0.5938272234434518  BLEU-2 0.39739834952046993  BLEU-3 0.25917599721067475  BLEU-4 0.17223920513069424  ---------- model-ep028-loss1.5642-val\_loss1.7517.h5  BLEU-1 0.5855358526850533  BLEU-2 0.3912018438676173  BLEU-3 0.2509656729318436  BLEU-4 0.16468713770672389  ---------- model-ep029-loss1.5606-val\_loss1.7564.h5  BLEU-1 0.5794819722642242  BLEU-2 0.385049528462128  BLEU-3 0.24763853350180065  BLEU-4 0.16603068714361113  ---------- model-ep030-loss1.5578-val\_loss1.7426.h5  BLEU-1 0.5875778372525526  BLEU-2 0.3921716397925088  BLEU-3 0.2528634225490586  BLEU-4 0.16923219250325416 | ---------- model-ep001-loss2.6336-val\_loss2.2271.h5  BLEU-1 0.4759612654908035  BLEU-2 0.2656449216670325  BLEU-3 0.13495532600149845  BLEU-4 0.08150626780945737  ---------- model-ep002-loss2.0380-val\_loss2.0093.h5  BLEU-1 0.497159411239909  BLEU-2 0.28848590408005875  BLEU-3 0.15760368414463857  BLEU-4 0.09886974937039841  ---------- model-ep003-loss1.8656-val\_loss1.9008.h5  BLEU-1 0.5339583717091182  BLEU-2 0.328493241925261  BLEU-3 0.19341704802834198  BLEU-4 0.12358968640822049  ---------- model-ep004-loss1.7756-val\_loss1.8614.h5  BLEU-1 0.5548556373745055  BLEU-2 0.3525413559575279  BLEU-3 0.21591771000817214  BLEU-4 0.14120258126134433  ---------- model-ep005-loss1.7181-val\_loss1.8276.h5  BLEU-1 0.5640286385746753  BLEU-2 0.3639139584999448  BLEU-3 0.22478849022402406  BLEU-4 0.14727520705684646  ---------- model-ep006-loss1.6792-val\_loss1.8116.h5  BLEU-1 0.5639800628889005  BLEU-2 0.36870455201973973  BLEU-3 0.23488397342043363  BLEU-4 0.15640430631922791  ---------- model-ep007-loss1.6500-val\_loss1.7925.h5  BLEU-1 0.5726396879795586  BLEU-2 0.3797620549479851  BLEU-3 0.24139635496833955  BLEU-4 0.15915150969657776  ---------- model-ep008-loss1.6276-val\_loss1.7872.h5  BLEU-1 0.5785986103155487  BLEU-2 0.3832284757735016  BLEU-3 0.24365309202580976  BLEU-4 0.16252059188264667  ---------- model-ep009-loss1.6104-val\_loss1.8055.h5  BLEU-1 0.5810748746385068  BLEU-2 0.38672273061267987  BLEU-3 0.24420316140304602  BLEU-4 0.16036095699148967  ---------- model-ep010-loss1.5947-val\_loss1.7852.h5  BLEU-1 0.5875747389052638  BLEU-2 0.39501729102981303  BLEU-3 0.2542008072881213  BLEU-4 0.17006344206154628  ---------- model-ep011-loss1.5823-val\_loss1.7823.h5  BLEU-1 0.5776441635955646  BLEU-2 0.3835533409977953  BLEU-3 0.24555547642266168  BLEU-4 0.1614536363761371  ---------- model-ep012-loss1.5714-val\_loss1.7882.h5  BLEU-1 0.5844704853779069  BLEU-2 0.3870345933641373  BLEU-3 0.24676776326296038  BLEU-4 0.16242080468349412  ---------- model-ep013-loss1.5617-val\_loss1.7785.h5  BLEU-1 0.5748618958790587  BLEU-2 0.3805612770157883  BLEU-3 0.24250379393779473  BLEU-4 0.15913053315860137  ---------- model-ep014-loss1.5522-val\_loss1.7924.h5  BLEU-1 0.5863752643421577  BLEU-2 0.3905234682816151  BLEU-3 0.25149279589833884  BLEU-4 0.16603795212722197  ---------- model-ep015-loss1.5445-val\_loss1.7770.h5  BLEU-1 0.5890651568902022  BLEU-2 0.3947577481409887  BLEU-3 0.25430515557634537  BLEU-4 0.1687112772401007  ---------- model-ep016-loss1.5365-val\_loss1.7907.h5  BLEU-1 0.5838516479092511  BLEU-2 0.3852002677363051  BLEU-3 0.24600307828922438  BLEU-4 0.16085083328966096  ---------- model-ep017-loss1.5306-val\_loss1.7949.h5  BLEU-1 0.5826185791960051  BLEU-2 0.38774025120816474  BLEU-3 0.24833279968088665  BLEU-4 0.1632542053718197  ---------- model-ep018-loss1.5235-val\_loss1.7839.h5  BLEU-1 0.5777232713276412  BLEU-2 0.38487289425880533  BLEU-3 0.2503395739144149  BLEU-4 0.16541305441860266  ---------- model-ep019-loss1.5171-val\_loss1.8010.h5  BLEU-1 0.5817683200918298  BLEU-2 0.3889377239256346  BLEU-3 0.2522417869879256  BLEU-4 0.1666307621079693  ---------- model-ep020-loss1.5118-val\_loss1.7890.h5  BLEU-1 0.5811033538941439  BLEU-2 0.3861178744354216  BLEU-3 0.24759986274725446  BLEU-4 0.1627589719376785  ---------- model-ep021-loss1.5057-val\_loss1.7949.h5  BLEU-1 0.5809700447355131  BLEU-2 0.3842559367767544  BLEU-3 0.24341383717955054  BLEU-4 0.16127166010119637  ---------- model-ep022-loss1.4999-val\_loss1.8101.h5  BLEU-1 0.5814867902238093  BLEU-2 0.3908197575610909  BLEU-3 0.2528729986237996  BLEU-4 0.1670106358804764  ---------- model-ep023-loss1.4943-val\_loss1.7907.h5  BLEU-1 0.5816590126984827  BLEU-2 0.38945226789167137  BLEU-3 0.25107348079932346  BLEU-4 0.16580594929773976  ---------- model-ep024-loss1.4902-val\_loss1.7941.h5  BLEU-1 0.5793057614682963  BLEU-2 0.39152558102921786  BLEU-3 0.25426472846663284  BLEU-4 0.1687684689186311  ---------- model-ep025-loss1.4839-val\_loss1.8007.h5  BLEU-1 0.58314487339064  BLEU-2 0.3910952780988543  BLEU-3 0.2546990710783714  BLEU-4 0.16864869326847964  ---------- model-ep026-loss1.4792-val\_loss1.8006.h5  BLEU-1 0.5847791930464278  BLEU-2 0.38942117616772487  BLEU-3 0.25221902471808644  BLEU-4 0.1675765532634055  ---------- model-ep027-loss1.4734-val\_loss1.8038.h5  BLEU-1 0.5866119258400729  BLEU-2 0.3908204851755461  BLEU-3 0.2503726724265822  BLEU-4 0.1650102212571181  ---------- model-ep028-loss1.4688-val\_loss1.8070.h5  BLEU-1 0.5855181429087809  BLEU-2 0.39682907412458046  BLEU-3 0.25910877465526455  BLEU-4 0.17380747200457283  ---------- model-ep029-loss1.4648-val\_loss1.8249.h5  BLEU-1 0.590013536930896  BLEU-2 0.400041417907752  BLEU-3 0.2603818168237485  BLEU-4 0.17223389183370605  ---------- model-ep030-loss1.4609-val\_loss1.8089.h5  BLEU-1 0.5775872335118338  BLEU-2 0.38319889403209084  BLEU-3 0.24725493494172646  BLEU-4 0.1638380466172038 | ---------- model-ep001-loss2.5236-val\_loss2.1313.h5  BLEU-1 0.5423123480312567  BLEU-2 0.31128871233321653  BLEU-3 0.1684905013924386  BLEU-4 0.10522797775936078  ---------- model-ep002-loss1.9235-val\_loss1.9251.h5  BLEU-1 0.5638508590264335  BLEU-2 0.3570335072250112  BLEU-3 0.21792993344344216  BLEU-4 0.14150403987438642  ---------- model-ep003-loss1.7595-val\_loss1.8427.h5  BLEU-1 0.5683553568829188  BLEU-2 0.37093094614064315  BLEU-3 0.23134170059074877  BLEU-4 0.15159636864951784  ---------- model-ep004-loss1.6772-val\_loss1.8041.h5  BLEU-1 0.5745684768630137  BLEU-2 0.37815698302761247  BLEU-3 0.23951245667642276  BLEU-4 0.15544346187670946  ---------- model-ep005-loss1.6304-val\_loss1.8010.h5  BLEU-1 0.575037152571391  BLEU-2 0.38076171035584344  BLEU-3 0.24467765346171053  BLEU-4 0.1615793141605938  ---------- model-ep006-loss1.5969-val\_loss1.7717.h5  BLEU-1 0.5841879755826671  BLEU-2 0.3867715864614761  BLEU-3 0.25141705804717224  BLEU-4 0.166315032413422  ---------- model-ep007-loss1.5718-val\_loss1.7866.h5  BLEU-1 0.5848509148751317  BLEU-2 0.39069695059155274  BLEU-3 0.25438074170321573  BLEU-4 0.1696025843581195  ---------- model-ep008-loss1.5500-val\_loss1.7929.h5  BLEU-1 0.5843470630845571  BLEU-2 0.3947700970003283  BLEU-3 0.2569712187604122  BLEU-4 0.1683173166464068  ---------- model-ep009-loss1.5323-val\_loss1.8092.h5  BLEU-1 0.5694454329722978  BLEU-2 0.37666801084790424  BLEU-3 0.2418415213552653  BLEU-4 0.1580361800949447  ---------- model-ep010-loss1.5145-val\_loss1.8252.h5  BLEU-1 0.5719825151818734  BLEU-2 0.37775861411249295  BLEU-3 0.24356619778796473  BLEU-4 0.1594723928936127  ---------- model-ep011-loss1.4988-val\_loss1.8197.h5  BLEU-1 0.5762444657562319  BLEU-2 0.38400143156204447  BLEU-3 0.2471329457200979  BLEU-4 0.16317470612352075  ---------- model-ep012-loss1.4825-val\_loss1.8440.h5  BLEU-1 0.57556978998432  BLEU-2 0.3812601522291292  BLEU-3 0.24558969553751386  BLEU-4 0.16186898663742752  ---------- model-ep013-loss1.4662-val\_loss1.8251.h5  BLEU-1 0.5723184379481413  BLEU-2 0.3729914813672028  BLEU-3 0.23927408315618368  BLEU-4 0.1572264719515368  ---------- model-ep014-loss1.4522-val\_loss1.8609.h5  BLEU-1 0.5751654860371098  BLEU-2 0.37659869470809654  BLEU-3 0.24288461921747584  BLEU-4 0.15999775056029925  ---------- model-ep015-loss1.4372-val\_loss1.8639.h5  BLEU-1 0.5698362664775071  BLEU-2 0.3737647170299248  BLEU-3 0.2391956356995293  BLEU-4 0.1566812890826057  ---------- model-ep016-loss1.4239-val\_loss1.8860.h5  BLEU-1 0.5649781402912486  BLEU-2 0.3683381540508673  BLEU-3 0.23646646541261054  BLEU-4 0.15757843584994696  ---------- model-ep017-loss1.4098-val\_loss1.8823.h5  BLEU-1 0.5631063604391033  BLEU-2 0.36559268024323044  BLEU-3 0.23263002476802114  BLEU-4 0.1516938677642349  ---------- model-ep018-loss1.3955-val\_loss1.9062.h5  BLEU-1 0.5605164712168963  BLEU-2 0.36746425854120696  BLEU-3 0.2357363244762905  BLEU-4 0.15710060161947684  ---------- model-ep019-loss1.3835-val\_loss1.9292.h5  BLEU-1 0.5686269727506453  BLEU-2 0.37333159004580285  BLEU-3 0.24115662149359185  BLEU-4 0.1615424427461697  ---------- model-ep020-loss1.3706-val\_loss1.9068.h5  BLEU-1 0.5614848749060412  BLEU-2 0.3608126522186365  BLEU-3 0.22800660420201438  BLEU-4 0.14984880153435245  ---------- model-ep021-loss1.3611-val\_loss1.9257.h5  BLEU-1 0.553110357062906  BLEU-2 0.3573827318237721  BLEU-3 0.22762296153514477  BLEU-4 0.14647181044039878  ---------- model-ep022-loss1.3540-val\_loss1.9503.h5  BLEU-1 0.5584142207892735  BLEU-2 0.359453628630552  BLEU-3 0.22687911880029837  BLEU-4 0.14683884754239437  ---------- model-ep023-loss1.3405-val\_loss1.9498.h5  BLEU-1 0.5452332670059775  BLEU-2 0.3509975827577489  BLEU-3 0.21899615984541732  BLEU-4 0.14274858234688537  ---------- model-ep024-loss1.3276-val\_loss1.9773.h5  BLEU-1 0.5557111553465718  BLEU-2 0.35844746319010057  BLEU-3 0.22763173771092082  BLEU-4 0.14920818312725986  ---------- model-ep025-loss1.3151-val\_loss2.0100.h5  BLEU-1 0.5557982951904693  BLEU-2 0.3597736264052639  BLEU-3 0.2250914390653063  BLEU-4 0.14799343579122282  ---------- model-ep026-loss1.3046-val\_loss1.9964.h5  BLEU-1 0.5597722524105029  BLEU-2 0.3611171844133125  BLEU-3 0.22675182337224117  BLEU-4 0.1476297995376528  ---------- model-ep027-loss1.2962-val\_loss2.0180.h5  BLEU-1 0.5488870878501318  BLEU-2 0.3569157988533767  BLEU-3 0.22655678530864704  BLEU-4 0.1489256673030909  ---------- model-ep028-loss1.2879-val\_loss2.0198.h5  BLEU-1 0.5488949197639827  BLEU-2 0.34926008927589924  BLEU-3 0.21772831852179242  BLEU-4 0.14101558713032988  ---------- model-ep029-loss1.2786-val\_loss2.0741.h5  BLEU-1 0.5451533413905981  BLEU-2 0.3514317370197851  BLEU-3 0.21942663893793052  BLEU-4 0.14261287796640032  ---------- model-ep030-loss1.2711-val\_loss2.0588.h5  BLEU-1 0.5379992689769767  BLEU-2 0.34563203949180626  BLEU-3 0.2160657077170104  BLEU-4 0.14083418701656564 |