Using gensim library, word cosine similarity trained on fastText

Word Embedding

1. baba
2. basa
3. babae
4. ako
5. ospital
6. hospital
7. Marcos
8. Piolo
9. umaga
10. kape

Word:**baba**
[('aqaba', 0.7212656736373901), ('saibaba', 0.6894968748092651), ('ababa', 0.6857208609580994), ('paibaba', 0.6746639013290405), ('ibaba', 0.672015368938446), ('alibaba', 0.6678401231765747), ('pababa', 0.6635567545890808), ('graba', 0.6371718049049377), ('talababa', 0.6315835118293762), ('kakababa', 0.6309462189674377)]

Word:**basa**
[('basambasa', 0.8290700912475586), ('basas', 0.8278305530548096), ('basangbasa', 0.809039294719696), ('basata', 0.7975307703018188), ('nbasa', 0.7939913868904114), ('basan', 0.792172372341156), ('basalyo', 0.7852998375892639), ('pkibasa', 0.7700136303901672), ('basar', 0.7698801159858704), ('basak', 0.7698314189910889)]

Word:**babae**
[('nambabae', 0.7953013181686401), ('babaeako', 0.77297443151474), ('babaero', 0.7628755569458008), ('babaeing', 0.7588041424751282), ('nababae', 0.7566081881523132), ('mambabae', 0.747474730014801), ('lalaki', 0.7468424439430237), ('kababae', 0.7413976788520813), ('nambababae', 0.7318968772888184), ('babaerong', 0.7223404049873352)]

Word:**ako**
[('akow', 0.8702889680862427), ('akohh', 0.8560389876365662), ('akoo', 0.8546414971351624), ('akoh', 0.8243255615234375), ('akog', 0.8063472509384155), ('akos', 0.7903323769569397), ('akooo', 0.7804739475250244), ('akoy', 0.7667968273162842), ('akocom', 0.7607738971710205), ('akohhh', 0.7541990876197815)]

Word:**ospital**

[('paospital', 0.8953970074653625), ('naoospital', 0.8705628514289856), ('maoospital', 0.8631583452224731), ('hospital', 0.8625586628913879), ('naospital', 0.8368347883224487), ('maospital', 0.8336001038551331), ('nagpaospital', 0.7562252283096313), ('hospitals', 0.7518165111541748), ('pagkakaospital', 0.6900036931037903), ('hospitalidad', 0.6840154528617859)]

Word:**hospital**

[('hospitals', 0.903545618057251), ('ospital', 0.8625589609146118), ('paospital', 0.8612363934516907), ('naoospital', 0.8578230738639832), ('maoospital', 0.846721887588501), ('hospitable', 0.8256816864013672), ('naospital', 0.8208729028701782), ('maospital', 0.8149096965789795), ('hospitality', 0.8093981742858887), ('hospitalized', 0.8067087531089783)]

Word:**Marcos**

[('marcos', 0.9122809171676636), ('marcoses', 0.7800561189651489), ('dercos', 0.7730143666267395), ('arroyo', 0.6686099171638489), ('tnicos', 0.6588425636291504), ('pcos', 0.6573153734207153), ('cos', 0.6474046111106873), ('vicos', 0.6406305432319641), ('digong', 0.6334541440010071), ('caicos', 0.6321896314620972)]

Word:**Piolo**

[('piolo', 0.8607829809188843), ('jolo', 0.7532674074172974), ('yolo', 0.7463985085487366), ('olo', 0.7403527498245239), ('tambiolo', 0.7272913455963135), ('paolo', 0.7023013234138489), ('niccolo', 0.7021411061286926), ('molo', 0.6940606832504272), ('jlo', 0.6908173561096191), ('gigolo', 0.6907510757446289)]

Word:**umaga**

[('umumaga', 0.8411118984222412), ('umagahan', 0.8209889531135559), ('gabi', 0.8080915808677673), ('inumaga', 0.8065067529678345), ('tanghali', 0.8026674389839172), ('tumaga', 0.7850459814071655), ('inuumaga', 0.780703067779541), ('maguumaga', 0.7766261696815491), ('umagas', 0.7698003053665161), ('uumaga', 0.7515818476676941)]

Word:**kape**

[('kapeina', 0.755259096622467), ('kakape', 0.7476175427436829), ('kapeng', 0.7392990589141846), ('kapehan', 0.7289751172065735), ('kapelyan', 0.6763389110565186), ('kapera', 0.6756102442741394), ('tsokolate', 0.6583606600761414), ('kapsikamom', 0.6518189907073975), ('pagkakape', 0.6380494832992554), ('kapha', 0.6286519169807434)]

Word Analogy

1. umaga : breakfast ; gabi : _____
2. lalaki : tatay; babae : _____
3. ospital : sakit ; bahay : _____
4. kape : mainit ; kain : _____
5. ulan : bagyo ; araw : _____

Note: Answers below the similarities are blank since answers are not provided

umaga is to breakfast, as gabi is to __:
[('breakfasts', 0.7677305936813354), ('breakout', 0.6072262525558472), ('breaktime', 0.5998714566230774), ('breakouts', 0.5940719842910767), ('magbreakfast', 0.574905276298523), ('steadfast', 0.5705321431159973), ('break', 0.5542532801628113), ('fitofast', 0.5539795160293579), ('lunchbreak', 0.5528436303138733), ('breaks', 0.5483075976371765)]
answer:

lalaki is to tatay, as babae is to __:
[('nanay', 0.7064569592475891), ('inanay', 0.619704008102417), ('mama', 0.5991012454032898), ('nanayo', 0.589256763458252), ('tatayu', 0.5885798335075378), ('inampon', 0.5719688534736633), ('nanaybelen', 0.5692539215087891), ('titay', 0.5665150284767151), ('inay', 0.562796413898468), ('tatayan', 0.5565037131309509)]
answer:

ospital is to sakit, as bahay is to __:
[('sakita', 0.6183750033378601), ('panakit', 0.6175717711448669), ('kasingsakit', 0.6058560609817505), ('msakit', 0.6051675081253052), ('sakitin', 0.5956314206123352), ('sakiting', 0.5872207283973694), ('sakitan', 0.5854594111442566), ('bahayan', 0.5813776254653931), ('paghihinanakit', 0.5776210427284241), ('ansakit', 0.5761516094207764)]
answer:

kape is to mainit, as kain is to __:
[('kainit', 0.7115024924278259), ('nakakainit', 0.701460599899292), ('kakainit', 0.6883189082145691), ('maiiinit', 0.6836373805999756), ('kainitan', 0.680850625038147), ('mapainit', 0.6723065376281738), ('mainitan', 0.6703081727027893), ('napakainit', 0.6675134897232056), ('maiinit', 0.6613319516181946), ('mainitin', 0.6549660563468933)]
answer:

ulan is to bagyo, as araw is to __:
[('araw2x', 0.6534252762794495), ('araw2', 0.6522703766822815), ('arawaraw', 0.633743166923523), ('arawna', 0.6114831566810608), ('taraw', 0.5874762535095215),

('baraw', 0.5764729380607605), ('subaraw', 0.5510027408599854), ('ngaraw', 0.5496924519538879), ('paraw', 0.5481070280075073), ('arawa', 0.5441222190856934)]
answer:

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Word:**baba**
[('taas', 0.5276650190353394), ('babang', 0.5117508172988892), ('kilay', 0.5017192959785461), ('bewang', 0.47261956334114075), ('puwitan', 0.4502638280391693), ('batok', 0.4461691379547119), ('liyad', 0.44310492277145386), ('napaangat', 0.4409680664539337), ('pagliyad', 0.44046375155448914), ('likuran', 0.4387325048446655)]

Word:**basa**
[('basang', 0.5807552337646484), ('basam', 0.5331372022628784), ('punas', 0.5109121799468994), ('namamasa', 0.4948669373989105), ('naglalawa', 0.49191853404045105), ('naglalagkit', 0.48899346590042114), ('basambasa', 0.4859142303466797), ('nipis', 0.4828893840312958), ('dulas', 0.47905462980270386), ('tumutulo', 0.46661362051963806)]

Word:**babae**
[('lalaki', 0.6835261583328247), ('lalake', 0.5861121416091919), ('babaeng', 0.5820215344429016), ('babaing', 0.5407455563545227), ('lalakeng', 0.5176390409469604), ('paslit', 0.5093902945518494), ('lalaking', 0.5046635270118713), ('kagutoman', 0.4848785400390625), ('batubato', 0.45929381251335144), ('dalaga', 0.45789283514022827)]

Word:**ako**
[('siya', 0.7632240653038025), ('sya', 0.7497720718383789), ('kami', 0.7465664148330688), ('kayo', 0.6852429509162903), ('ka', 0.6608937382698059), ('sila', 0.6379290223121643), ('akong', 0.6184062361717224), ('akoy', 0.6099842190742493), ('tayo', 0.5817772746086121), ('kame', 0.5542528629302979)]

Word:**ospital**
[('pagamutan', 0.7422823309898376), ('hospital', 0.7278143167495728), ('icu', 0.5816048979759216), ('ambulansya', 0.530037522315979), ('pgh', 0.5017226934432983), ('punerarya', 0.4905042350292206), ('clinic', 0.48848196864128113), ('confine', 0.4761250913143158), ('morgue', 0.4674079418182373), ('motel', 0.4543268084526062)]

Word:**hospital**
[('ospital', 0.7278141975402832), ('pagamutan', 0.5905503630638123), ('clinic', 0.5627161860466003), ('icu', 0.5535838007926941), ('pgh', 0.5517593026161194), ('hospitals', 0.5449053645133972), ('medical', 0.5104624032974243), ('doctor', 0.4743800163269043), ('morgue', 0.4679546654224396), ('ward', 0.4445972442626953)]

Word:**Marcos**
Word Key 'Marcos' not present not found in embedding

Word:**Piolo**
Word Key 'Piolo' not present not found in embedding

Word:**umaga**
[('gabi', 0.7429379820823669), ('tanghali', 0.7268937826156616), ('hatinggabi', 0.6032529473304749), ('hapon', 0.5982941389083862), ('tangahali', 0.544209897518158), ('sabado', 0.5315290093421936), ('lunes', 0.5271797776222229), ('kinaumagahan', 0.5127250552177429), ('00am', 0.504382312297821), ('biyernes', 0.492583692073822)]

Word:**kape**
[('beer', 0.6131882667541504), ('coffee', 0.588323712348938), ('tsokolate', 0.5826982259750366), ('tsaa', 0.5770725607872009), ('softdrinks', 0.5357221961021423), ('alak', 0.5296911001205444), ('kapeng', 0.5108984708786011), ('timplang', 0.49733883142471313), ('arina', 0.48060518503189087), ('yogurt', 0.4703136682510376)]

Word Analogy

1. umaga : breakfast ; gabi : _____
2. lalaki : tatay; babae : _____
3. ospital : sakit ; bahay : _____
4. kape : mainit ; kain : _____
5. ulan : bagyo ; araw : _____

Note: Answers below the similarities are blank since answers are not provided

umaga is to breakfast, as gabi is to __:
[('dinner', 0.5710465312004089), ('snack', 0.4760456383228302), ('meryenda', 0.4597068428993225), ('lunch', 0.4511418342590332), ('steak', 0.4485079050064087),

('tapsilog', 0.4471336603164673), ('almusal', 0.44408079981803894), ('hamburger', 0.4415738582611084), ('meal', 0.43857213854789734), ('prepare', 0.4297465980052948)]
answer:

lalaki is to tatay, as babae is to __:
[('nanay', 0.6455373764038086), ('mommy', 0.5170373320579529), ('pamangkin', 0.4948088526725769), ('pinsan', 0.4903191328048706), ('daddy', 0.4889703094959259), ('yaya', 0.48871538043022156), ('bunso', 0.47989484667778015), ('mama', 0.4777107536792755), ('asawa', 0.47545379400253296), ('kalaro', 0.4734503924846649)]
answer:

ospital is to sakit, as bahay is to __:
[('pagpapawis', 0.3871995210647583), ('kalawang', 0.38532382249832153), ('sintomas', 0.38243919610977173), ('tahanan', 0.3741800785064697), ('biniyak', 0.36980170011520386), ('pagsakit', 0.35872069001197815), ('komplikasyon', 0.3545108139514923), ('balat', 0.3539840579032898), ('plema', 0.3538641333580017), ('kirot', 0.3518500030040741)]
answer:

kape is to mainit, as kain is to __:
[('umiinit', 0.4681277871131897), ('napakainit', 0.464683473110199), ('aaksayahan', 0.4082922339439392), ('maiinit', 0.39654335379600525), ('aksayahan', 0.3917940855026245), ('igihan', 0.3908242881298065), ('nalipasan', 0.3816184103488922), ('napasarap', 0.37673497200012207), ('nakaluwag', 0.37362024188041687), ('sumasarap', 0.3709923326969147)]
answer:

ulan is to bagyo, as araw is to __:
[('buwan', 0.5263136029243469), ('linggo', 0.4970053434371948), ('oras', 0.48755863308906555), ('taon', 0.46895477175712585), ('minuto', 0.4316401779651642), ('gabi', 0.41445037722587585), ('buwang', 0.3994239270687103), ('linggong', 0.39710405468940735), ('kilometro', 0.38691315054893494), ('sakuna', 0.3843349814414978)]
answer: