

## Incorrectly predicted tweets:

### Number 1:

Tweet: "@jetblue where is it coming from i thought tampa"

Predefined sentiment: negative

Our prediction: neutral

In this sentence, there are three words which is present in our pre processed vocabulary when using stop-words or the words were not in the training data. Hence the calculations for the prediction use only three words, namely ['@jetblue', 'coming', 'thought'].

Our calculations for the words carried out in the p\_word\_given\_c-method, returns the following predictions:

Predict "@jetblue" - positive: 9.902567490847707

Predict "@jetblue" - negative: 9.90256748885421

Predict "@jetblue" - neutral: 9.902567490259846

Predict "coming" - positive: 9.902565352878621

Predict "coming" - negative: 9.90256535088512

Predict "coming" - neutral: 9.902565352290761

Predict "thought" - positive: 9.902567846457082

Predict "thought" - negative: 9.902567844463585

Predict "thought" - neutral: 9.902567845869223

Further calculations done in the calculate-method, results in the final prediction:

positive: 36.78224078681037

**negative: 38.13911809859775**

neutral: 37.05338826564763

**Final prediction: negative**

### Number 2:

Tweet: "@southwestair @fortunemagazine i do like your airlines congrats"

Predefined sentiment: positive

Our prediction: negative

In this sentence, there are four words which is present in our pre processed vocabulary when using stop-words or the words were not in the training data. Hence the calculations for the prediction use only three words, namely [@southwestair, like, airlines, congrats].

Our calculations for the words carried out in the p\_word\_given\_c-method, returns the following predictions:

Predict "@southwestair" - positive: 9.902571203161182

Predict "@southwestair" - negative: 9.902571201167692  
Predict "@southwestair" - neutral: 9.902571202573325  
Predict "like" - positive: 9.902558295251895  
Predict "like" - negative: 9.902558293258378  
Predict "like" - neutral: 9.90255829466403  
Predict "airlines" - positive: 9.902566152835231  
Predict "airlines" - negative: 9.90256615084173  
Predict "airlines" - neutral: 9.90256615224737  
Predict "congrats" - positive: 9.90258415472915  
Predict "congrats" - negative: 9.902584152735685  
Predict "congrats" - neutral: 9.9025841541413

Further calculations done in the calculate-method, results in the final prediction:

positive: 46.68481990260442

**negative: 48.04169721239832**

neutral: 46.95596738085382

**Prediction: negative**

### **Correctly predicted tweets:**

#### Number 1:

Tweet: "@JetBlue and The from @WSJ Team to Offer In#Flight Access to Journal Nassau News Live httpco7E5bxwG16t"

Predefined sentiment: neutral

Our prediction: neutral

In this sentence, there are three words which is present in our pre processed vocabulary when using stop-words or the words were not in the training data. Hence the calculations for the prediction use only three words, namely [@Jetblue, The, @WSJ, Live, Team, Offer, In#Flight, Access, Journal, Nassau, News, httpco7E5bxwG16t].

Our calculations for the words carried out in the p\_word\_given\_c-method, returns the following predictions:

Predict "@JetBlue" - positive: 9.902542919546926  
Predict "@JetBlue" - negative: 9.902542917553381  
Predict "@JetBlue" - neutral: 9.902542918959053  
Predict "The" - positive: 9.902550054524072  
Predict "The" - negative: 9.90255005253054  
Predict "The" - neutral: 9.902550053936201  
Predict "@WSJ" - positive: 9.902558422649623  
Predict "@WSJ" - negative: 9.902558420656108  
Predict "@WSJ" - neutral: 9.902558422061759  
Predict "Live" - positive: 9.902561998740014

Predict "Live" - negative: 9.902561996746506  
Predict "Live" - neutral: 9.902561998152152  
Predict "Team" - negative: 9.902559893709435  
Predict "Team" - neutral: 9.902559895115084  
Predict "Offer" - neutral: 9.902560300255168  
Predict "In#Flight" - neutral: 9.902561998152152  
Predict "Access" - neutral: 9.902560767954865  
Predict "Journal" - neutral: 9.902558422061759  
Predict "Nassau" - neutral: 9.902561998152152  
Predict "News" - neutral: 9.902560300255168  
Predict "httpco7E5bxwG16t" - neutral: 9.90256620421302

Further calculations done in the calculate-method, results in the final prediction:

positive: 46.684753492087594

negative: 57.944190695590805

**neutral: 126.17639085649633**

**Prediction: neutral**

## Number 2:

Tweet: "@AmericanAir versus @JetBlue in Customer Service Who will win For Me  
@AmericanAir is a convenience to a trip to Cali It3"

Predefined sentiment: positive

Our prediction: positive

In this sentence, there are three words which is present in our pre processed vocabulary when using stop-words or the words were not in the training data. Hence the calculations for the prediction use only three words, namely [@AmericanAir, versus, @JetBlue, Customer, Service, Who, win, For, Me, convenience, trip, Cali, It3]

Our calculations for the words carried out in the p\_word\_given\_c-method, returns the following predictions:

Predict "@AmericanAir" - positive: 9.902544460732045  
Predict "@AmericanAir" - negative: 9.902544458738502  
Predict "@AmericanAir" - neutral: 9.902544460144172  
Predict "versus" - positive: 9.902557820558108  
Predict "versus" - negative: 9.902557818564592  
Predict "@JetBlue" - positive: 9.902541566415746  
Predict "@JetBlue" - negative: 9.902541564422195  
Predict "@JetBlue" - neutral: 9.902541565827871  
Predict "Customer" - positive: 9.902550326458101  
Predict "Customer" - negative: 9.90255032446457  
Predict "Customer" - neutral: 9.902550325870232

Predict "Service" - positive: 9.902551365495068  
Predict "Service" - negative: 9.902551363501539  
Predict "Service" - neutral: 9.9025513649072  
Predict "Who" - positive: 9.902551761050423  
Predict "Who" - negative: 9.902551759056895  
Predict "Who" - neutral: 9.902551760462554  
Predict "win" - positive: 9.902552035270311  
Predict "win" - negative: 9.902552033276784  
Predict "win" - neutral: 9.902552034682442  
Predict "For" - positive: 9.902551940229445  
Predict "For" - negative: 9.902551938235916  
Predict "For" - neutral: 9.902551939641576  
Predict "Me" - positive: 9.902553851616506  
Predict "Me" - negative: 9.902553849622983  
Predict "Me" - neutral: 9.902553851028639  
Predict "convenience" - positive: 9.902559434317357  
Predict "trip" - positive: 9.90254711057775  
Predict "trip" - negative: 9.902547108584212  
Predict "trip" - neutral: 9.902547109989879  
Predict "Cali" - positive: 9.902556876568255  
Predict "It3" - positive: 9.902553129521735  
Predict "It3" - negative: 9.90255312752821  
Predict "It3" - neutral: 9.902553128933867

Further calculations done in the calculate-method, results in the final prediction:

**positive: 145.71025623616984**

negative: 127.26201721912973

neutral: 116.27372957886041

**Prediction: positive**