

From: Randy Smith [randy@predpol.com]
Sent: Thursday, April 21, 2016 9:22 AM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: RE: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Thank you Claudia. I have forwarded your email to the team for an understanding/correction/fix.

Respectfully,

RANDY SMITH Director, Eastern Sales

2801 Mission Street #2803
Santa Cruz, CA 95060

P: 678 524 6129
F: 831 331 4551

PREDPOL.COM

The Predictive Policing Company

From: CASTRO, CLAUDIA [mailto:CLAUDIA.CASTRO@nypd.org]
Sent: Wednesday, April 20, 2016 10:48 AM
To: randy@predpol.com
Cc: BELLO, FRANK <FRANK.BELLO@nypd.org>
Subject: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Good Afternoon Mr. Smith,

The NYPD found significant issues with Predpol's precinct and patrol borough predictions. For example, for precinct predictions, there should be 8,085 boxes predicted each day (77 precincts x 7 crime types x 3 platoon x top 5 boxes = 8,085 boxes). Your firm submitted 385 boxes for 1 day. Similarly, for borough predictions, there should be 20,685 boxes predicted each day (top 1% of land area (72 boxes for PBBN, 155 for PBBS, 138 for PBBX, 44 for PBMN, 32 for PBMS, 164 for PBQN, 193 for PBQS and 187 for PBSI) x 7 crime types x 3 platoons = 20,685 boxes). Predpol also submitted 385 boxes for the patrol borough predictions. Please note, Predpol is missing predictions.

Regards,
Claudia

Claudia Castro, Adm. P.A.
NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007
Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [randy@predpol.com]
Sent: Thursday, April 21, 2016 2:00 PM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: RE: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Claudia,

It turns out that we only sent a sample of the predictions and wanted to make sure our format was correct. The next submission will include all predictions.

Thank you,

RANDY SMITH Director, Eastern Sales

2801 Mission Street #2803
Santa Cruz, CA 95060

P: 678 524 6129
F: 831 331 4551

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The Predictive Policing Company

From: CASTRO, CLAUDIA [mailto:CLAUDIA.CASTRO@nypd.org]
Sent: Wednesday, April 20, 2016 10:48 AM
To: randy@predpol.com
Cc: BELLO, FRANK <FRANK.BELLO@nypd.org>
Subject: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

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Claudia

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NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007
Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [randy@predpol.com]
Sent: Monday, April 25, 2016 9:07 AM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: Re: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Claudia,

From Dev:

Please advise Castro and Frank that due to a production error, the first email sent to Doug Williamson at 5:00 AM this morning had an empty borough predictions file.

We sent a corrected email [at 2:29 AM](#).

Thank you,
Randy Smith

Sent from my iPhone

On Apr 22, 2016, at 1:57 PM, CASTRO, CLAUDIA <CLAUDIA.CASTRO@nypd.org> wrote:

Good Afternoon,

The effective start date for the Predictive Policing 45-90 day Trial Evaluation is **Monday, April 25th, 2016**. Daily predictions must be received by **6:00 am** in order for them to be counted for that day.

Regards,
Claudia

Claudia Castro, Adm. P.A.
NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007
Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [randy@predpol.com]
Sent: Monday, April 25, 2016 12:05 PM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: Re: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Claudia,

He did not do the time conversion. The correct file was sent at 5:29am.

RANDY SMITH
Director, Eastern Sales

[2801 Mission Street #2803](#)
[Santa Cruz, CA 95060](#)

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F: 831.331.4551
randy@predpol.com

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The Predictive Policing Company

On Apr 25, 2016, at 11:17 AM, CASTRO, CLAUDIA <CLAUDIA.CASTRO@nypd.org> wrote:

Good afternoon Mr. Smith,
Please confirm the times on the email below. Incorrect files were sent at 5am but the corrected info was sent at 2:29am?

Claudia Castro, Adm. P.A.
NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007
Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [<mailto:randy@predpol.com>]
Sent: Monday, April 25, 2016 10:07 AM
To: CASTRO, CLAUDIA
Cc: BELLO, FRANK
Subject: Re: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

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Randy Smith

Sent from my iPhone

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Regards,
Claudia

Claudia Castro, Adm. P.A.
NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007
Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [randy@predpol.com]
Sent: Monday, April 25, 2016 3:01 PM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: RE: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Claudia,

Thank you for the update. I am checking with the team to determine what the reason for this submission would have been to get these results.

Thank you for the update and I understand this will be the last of this type of notification.

Respectfully,

RANDY SMITH Director, Eastern Sales

2801 Mission Street #2803
Santa Cruz, CA 95060

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F: 831 331 4551

[PREDPOL.COM](http://predpol.com)

The Predictive Policing Company

From: CASTRO, CLAUDIA [mailto:CLAUDIA.CASTRO@nypd.org]
Sent: Monday, April 25, 2016 3:36 PM
To: Randy Smith <randy@predpol.com>
Cc: BELLO, FRANK <FRANK.BELLO@nypd.org>
Subject: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Good Afternoon Mr. Smith,
The NYPD found the following issues with your predictions. Going forward, the NYPD will no longer notify you of errors in prediction files submitted. This is the last notification, please update accordingly.

Predpol submitted invalid files.

- Both files submitted predictions for all three platoon on the same date (4/25) instead of 2nd and 3rd platoon on 4/25 and 1st platoon on 4/26.
- The borough file contains 18,951 predictions instead of 20,685 predictions.
- In the borough file, predictions by crime type and platoon vary significantly within each patrol borough. As explained multiple times before, there should be 72 boxes for PBBN, 155 for PBBS, 138 for PBBX, 44 for PBMN, 32 for PBMS, 164 for PBQN, 193 for PBQS and 187 for PBSI for all 7 crime types and 3 platoons.
- The precinct file contains 895 predictions instead of 8,085 predictions. Missing many predictions for crime types.

Regards,
Claudia

Claudia Castro, Adm. P.A.
NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007

R_NYC0000440

Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [randy@predpol.com]
Sent: Monday, April 25, 2016 8:48 PM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: Re: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Claudia,

Here is what I have from our Dev team:
Please advise Castro and Bello that we re-transmitted 4/25/2016 predictions to Douglas Williamson with the process corrected.

The files have been confirmed to be complete and have the correct dates associated with each shift.

We expect the transmission tonight to be correct as well.

Note that these still in some cases contain fewer than the requested number of predictions (most typically with Shootings).

Thank you,

Randy Smith
PredPol

Sent from my iPhone

On Apr 25, 2016, at 3:35 PM, CASTRO, CLAUDIA <CLAUDIA.CASTRO@nypd.org> wrote:

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90 Church Street, Suite 1206
New York, NY 10007
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Fax #646-610-5224

From: Randy Smith [randy@predpol.com]
Sent: Tuesday, April 26, 2016 12:08 PM
To: CASTRO, CLAUDIA
CC: BELLO, FRANK
Subject: RE: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Thank you for letting me know.

RANDY SMITH Director, Eastern Sales

2801 Mission Street #2803
Santa Cruz, CA 95060

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F: 831 331 4551

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The Predictive Policing Company

From: CASTRO, CLAUDIA [mailto:CLAUDIA.CASTRO@nypd.org]
Sent: Tuesday, April 26, 2016 12:13 PM
To: Randy Smith <randy@predpol.com>
Cc: BELLO, FRANK <FRANK.BELLO@nypd.org>
Subject: RE: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Good Afternoon Mr. Smith,

The NYPD found the following issues with your predictions. As previously stated, the NYPD will not provide notification of errors after **Thursday, April 28th, 2016**.

Borough file issues:

Not enough predictions for PBBS, PBBX, PBQN, PBMS, PBQS and PBSI shootings.
Not enough predictions for PBSI 1st platoon Robbery.
Not enough predictions for PBSI 1st platoon Grand Larceny from Person
No predictions for Grand Larceny from Person in PBBX

Precinct file issues:

Not enough/no predictions for shootings in almost every precinct.

Regards,
Claudia

Claudia Castro, Adm. P.A.
NYPD Contract Administration Unit
90 Church Street, Suite 1206
New York, NY 10007
Phone# 646-610-4786
Fax #646-610-5224

From: Randy Smith [<mailto:randy@predpol.com>]
Sent: Monday, April 25, 2016 9:48 PM
To: CASTRO, CLAUDIA
Cc: BELLO, FRANK

R_NYC0000444

Subject: Re: IMPORTANT PREDICTIVE POLICING DEMO TRIAL EVALUATION

Claudia,

Here is what I have from our Dev team:

Please advise Castro and Bello that we re-transmitted 4/25/2016 predictions to Douglas Williamson with the process corrected.

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We expect the transmission tonight to be correct as well.

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New York City Police Department
Police Commissioner's Office
1 Police Plaza
New York, NY 10038

April 27, 2016

I am writing in reply to your recent emails on the NYPD trial, specifically those in regards to a shortfall in the numbers of predictive boxes being delivered by PredPol to NYPD.

The NYPD's trial of predictive policing requires the submission of a fixed large number of prediction boxes. This approach forces the delivery of boxes which, according to our methodology, have effectively zero probability of a crime occurring. Our approach to prediction sets minimum probability thresholds for presenting a box. Instead of delivering what we regard as spurious data, we believe that with near zero probabilities police resources are better directed towards normal patrol activities.

Since we understand that NYPD is attempting to standardize the overall parameters of the test to allow some degree of comparison, PredPol will deliver the required number of boxes. However, NYPD needs to recognize that doing so comes at a cost of reduced predictive accuracy.

P. Jeffrey Brantingham, Ph.D
PredPol Co-founder & Chief of R&D
jeff@predpol.com