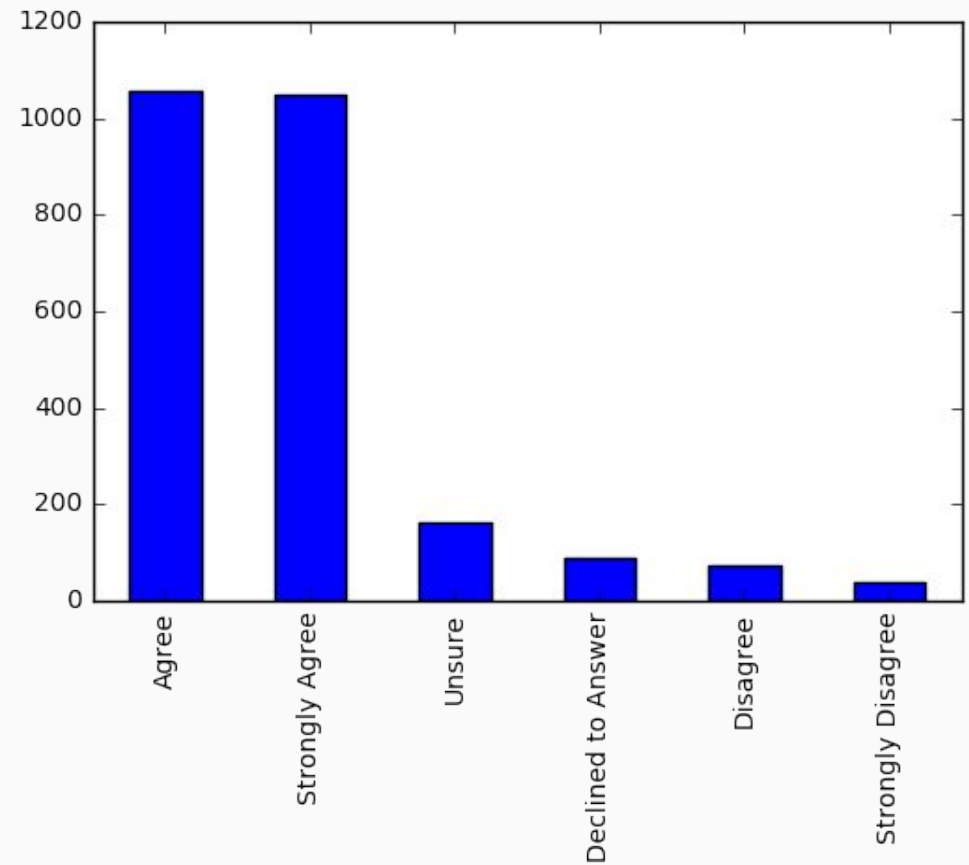


Breakdown of responses to 'Able to Adapt to Changes'

Total	2469
Agree	1058
Strongly Agree	1048
Unsure	162
Declined to Answer	87
Disagree	74
Strongly Disagree	40



Top 20 Predictors

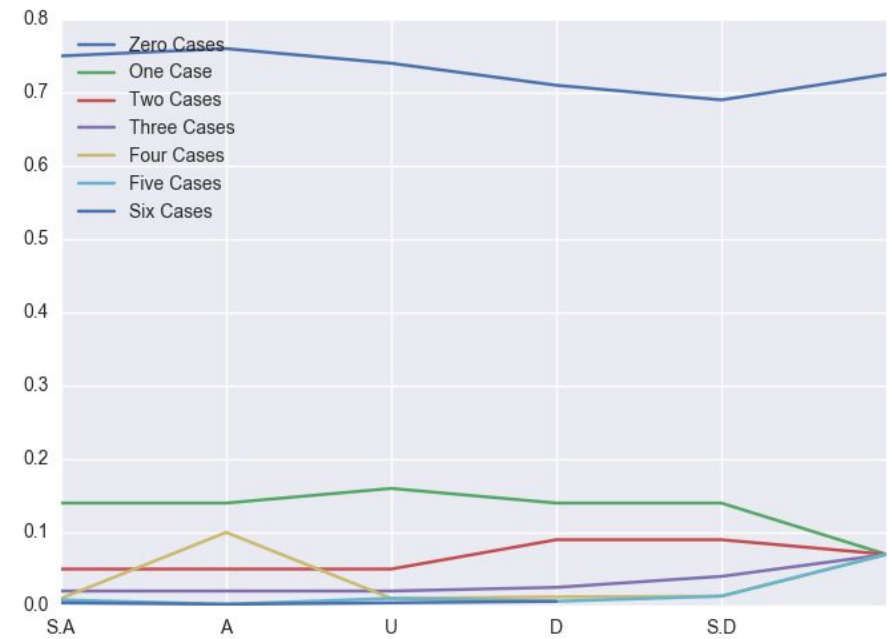
- Open Cases
- Current Living Conditions (Own)
- Employment Status
- Current Living Conditions (Rent)
- Combat Deployed
- Rank (Missing Data Code)
- Grade (E4)
- Open Critical Cases
- Enrolled in eBenefits (No)
- Branch of Service (Army)
- Service Connected Injury
- Open non-Critical Cases
- Gender
- Enrolled in VA Healthcare (Yes)
- Service Component (Active Duty)
- Disability Percentage (0%)
- Gender
- Enrolled in eBenefits (Declined to Answer)
- Currently Enrolled in School
- Service Connected Injury (Yes)

Top 20 Predictors (by computing the ANOVA F-value: what's statistically significant?)

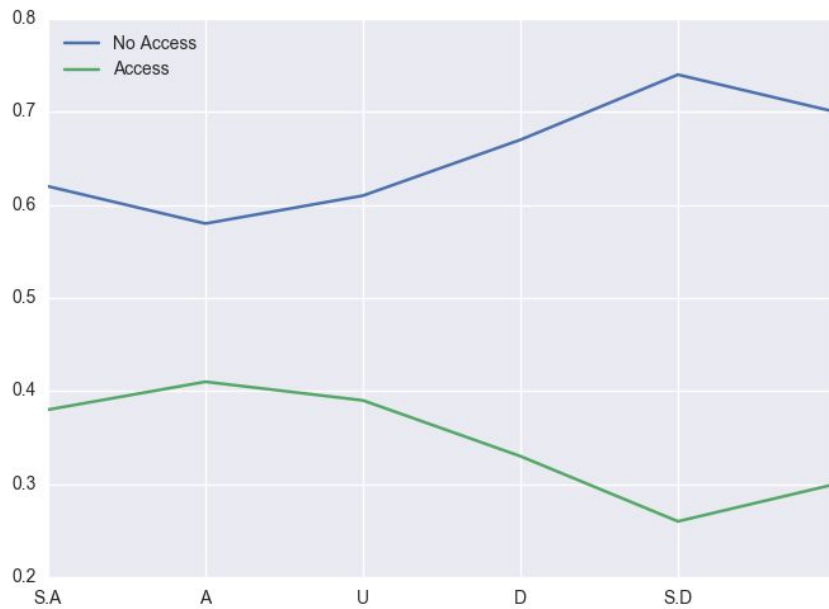
'gender__c',
'lastactivitydate',
'npsp__current_address__c',
'original_engagement_date__c',
'veteran_id',
'warrior_serve__active_duty__c',
'warrior_serve__eligible_va_education_benefits__c',
'warrior_serve__employment_status__c',
'warrior_serve__enrolled_in_ebenefits__c',
'warrior_serve__external_system_id__c',
'warrior_serve__is_actively_engaged__c',
'warrior_serve__is_spanish_hispanic_or_latino__c',
'warrior_serve__last_4_ssn__c',
'warrior_serve__marital_status__c',
'warrior_serve__mode_of_transportation__c',
'warrior_serve__post_9_11_warrior__c',
'warrior_serve__race__c',
'warrior_serve__service_status__c',
'warrior_serve__survey_date__c',
'warrior_serve__type_of_discharge__c'

Open Cases

# Cases	Total	S.Agree	Agree	Unsure	Dis	S.Dis
0	0.75	0.76	0.74	0.71	0.69	0.725
1	0.14	0.14	0.16	0.14	0.14	0.07
2	0.05	0.05	0.05	0.09	0.09	0.07
3	0.02	0.02	0.02	0.025	0.04	0.07
4	0.01	0.1	0.01	0.012	0.013	0.07
5	0.008	0.002	0.01	0.006	0.013	0.07
6	0.004	0.002	0.004	0.006	-	-
7	0.004	-	0.0009	0.006	-	-
8	0.004	-	0.0009	-	-	-
N	2469	1048	1058	162	74	40



Eligible for VA Education



	Total	S.A	A	U	D	S.D
0	0.62	0.58	0.61	0.67	0.74	0.7
1	0.38	0.41	0.39	0.33	0.26	0.3
N	2469	1048	1058	162	74	40

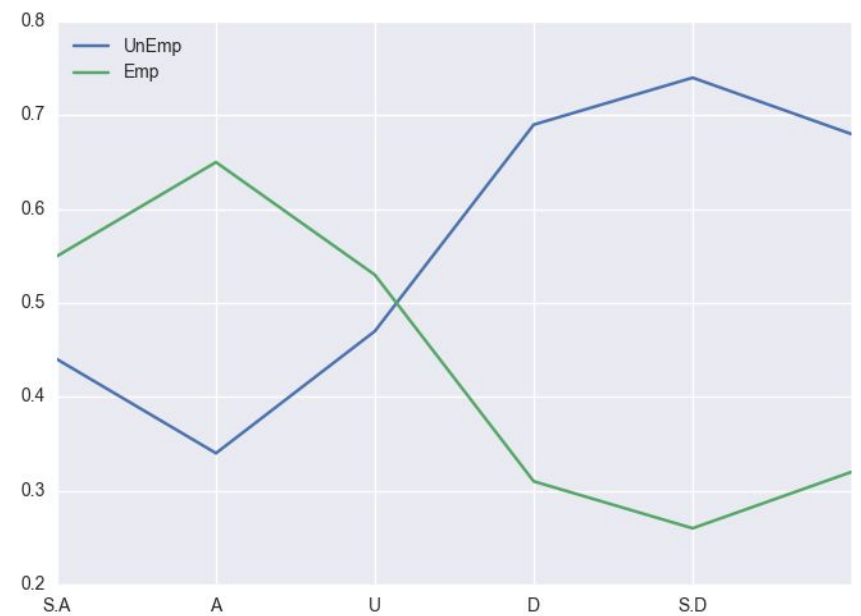
HomeOwnership

	Total	S.A	A	U	D	S.D
0	0.64	0.63	0.65	0.69	0.65	0.68
1	0.36	0.38	0.35	0.31	0.35	0.32
N	2469	1048	1058	162	74	40

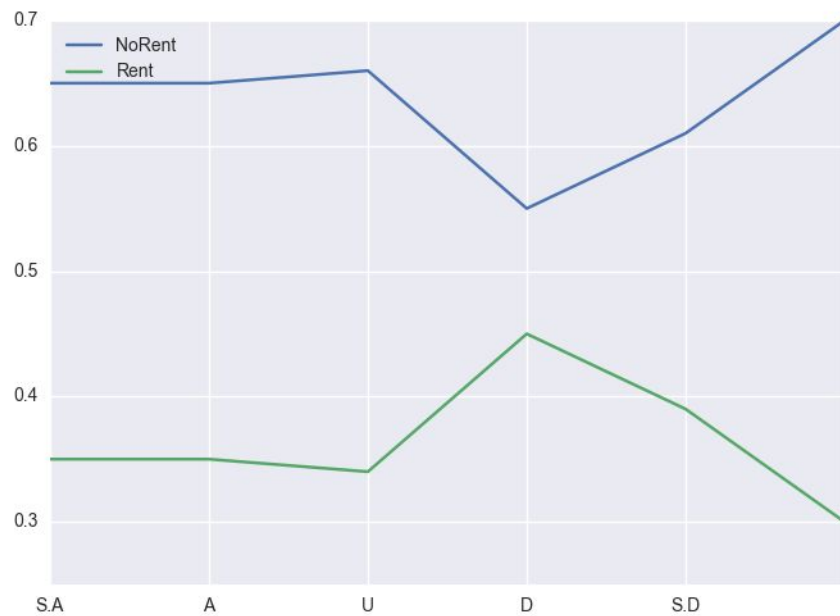


Employment Status

	Total	S.A	A	U	D	S.D
0	0.44	0.34	0.47	0.69	0.74	0.68
1	0.55	0.65	0.53	0.31	0.26	0.32
N	2469	1048	1058	162	74	40

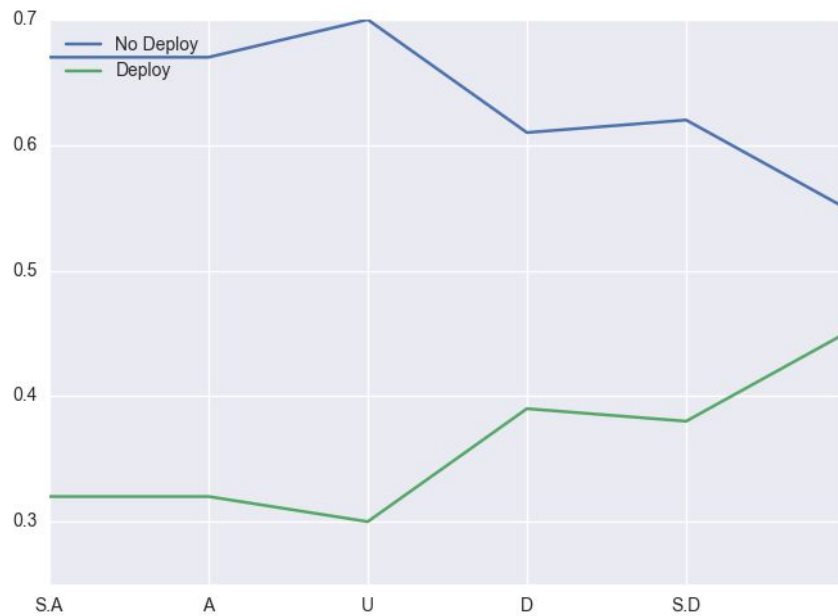


Home Renting



	Total	S.A	A	U	D	S.D
0	0.65	0.65	0.66	0.55	0.61	0.70
1	0.35	0.35	0.34	0.45	0.39	0.30
N	2469	1048	1058	162	74	40

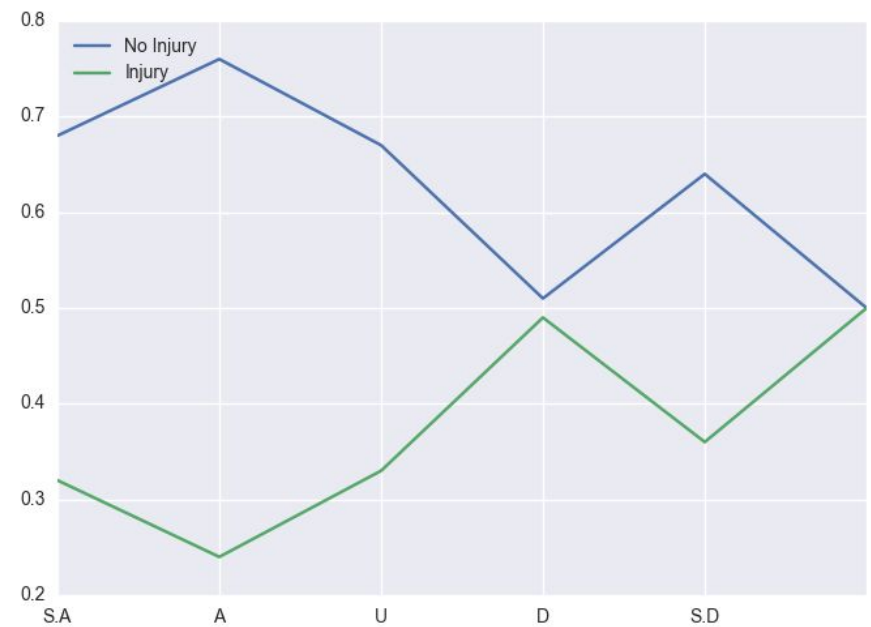
Combat Deployed



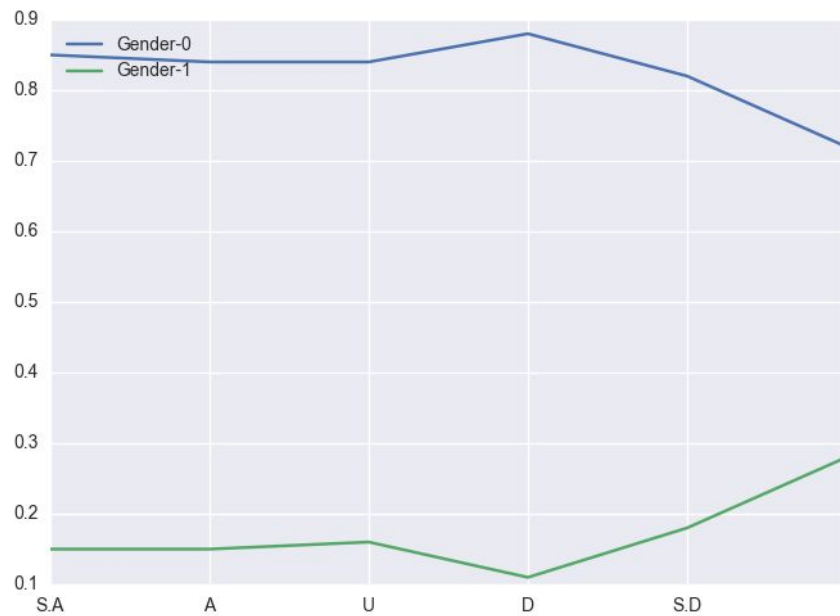
	Total	S.A	A	U	D	S.D
0	0.67	0.67	0.70	0.61	0.62	0.55
1	0.32	0.32	0.30	0.39	0.38	0.45
N	2469	1048	1058	162	74	40

Service Connected Injury

	Total	S.A	A	U	D	S.D
0	0.68	0.76	0.67	0.51	0.64	0.5
1	0.32	0.24	0.33	0.49	0.36	0.5
N	2469	1048	1058	162	74	40



Gender



	Total	S.A	A	U	D	S.D
0	0.15	0.15	0.15	0.11	0.18	0.28
1	0.85	0.84	0.84	0.88	0.82	0.72
N	2469	1048	1058	162	74	40

Recommendations And Future Work

Data Collection

- There is a LOT of data here
- You don't necessarily need to focus on new pieces of information, instead work on make sure you're collecting it at scale
- The more *different* kinds of veterans you can reach, the better.

Data Quality

- Most veterans are missing something; that's expected with the amount of info you're collecting
- Need to use some sort of standard format for “did not answer” vs “unknown”
 - Lots of fields were None or the “”
- Time dependant data should be separate from static data
- Check boxes should each be their own field (some groups of checkboxes dump into one field)

Recommendations

- Do whatever you can to get your data in one place (part of this is going to involve making it easy for people to enter it into whatever that place is)
- There are a lot of possible questions you can try to have answered using your data. Focus on things that can inform or support *specific* policy decisions.
- Given what you have here, data science is absolutely worth the investment. There is enough information here to help you streamline and improve your process.