Fgekukqp"Vjgqt{"kp"Urqtvu< Jqy"Fqgu"Wpegtvckpv{"Cxgtukqp Korcev"PDC"Ftchv"RgthqtocpegA

Tqdgtv"D0"Owttc{
Cfxkuqt<"Rtqhguuqt"Xkevqt"Ocvjguqp
Eqn_qk up X

Introduction

 $Yg"cu"jwocpu"owuv"ocmg"jwpftgfu."kh"pqv"vjqwucpfu"qh"fgekukqpu"gxgt{"fc{0"}Yjkng"uqogfgekukqpu"ctg"oqtg"fkhhkewnv"vjcp"qvjgtu."cvvcejgf"vq"gcej"qh"vjgo"ctg"xct{kpi"fgitggu"qhwpegtvckpv{"qxgt"yjcv"vjgkt"qwveqogu"ykm"dg0"Kp"vjg"geqpqoke"hkgnf"qh"fgekukqp"vjgqt{.} \\ \tilde{o}wpegtvckpv{"cxgtukqpö"ku"c"rtghgtgpeg"hqt"tkumu"ykvj"mpqyp"rtqdcdkmkv{"fkuvtkdwvkqpu"qxgt"vjqugykvj"wpmpqyp"rtqdcdkmkv{"fkuvtkdwvkqpu0"Vjwu."cm"gnug"dgkpi"gswcn."kv"ku"hckt"vq"gzrgev"vjcv"yjgphqtegf"vq"ejqqug"dgvyggp"vyq"fkuvkpev"qrvkqpu."yg"ykm"hcxqt"vjg"qrvkqp"vjcv"ku"oqtg"vtcpurctgpvkp"vjg"qffu"qh"kvu"qwveqog0"Vjgug"fgfwevkqpu"kp"fgekukqp"vjgqt{"ctg"vjcpmu"kp"nctig"rctv"vq} \\ Cogtkecp"geqpqokuv"Fcpkgn"Gnnudgti."yjqug"3;83"rcrgt~oTkum."Codkiwkv{."cpf"vjg"Ucxcig} \\ Czkqouö"eqpvgzvwcnk|gu"vjku"dgjcxkqt"kp"cp"gzrgtkogpvcn"ugvvkpi<"rgqrng"vt{"vq"cxqkf"ukvwcvkqpu"kpyykej"vjg{"ecppqv"cvvcej"c"rtqdcdkmkv{"vq"cp"qwveqog0"Vjg"rcrgt@u"oquv"hcoqwu"vguv"nc{u"qwv"vyqwtpu"kp"htqpv"qh"vjg"rctvkekrcpv."wtp"C"eqpvckpkpi"72"tgf"dcnnu"cpf"72"dncem"dcnnu."cpf"wtp"Deqpvckpkpi"cp"wpmpqyp"pwodgt"qh"gcej"eqnqtgf"dcnn0"Vjg"hqnnqykpi"hqwt"dgvu"ctg"vjgp"qhhgtgf"vqvjg"rctvkekrcpv<$

Bet 1A: tgegkxg %3"kh red ku" ftc y p"htq o "wtp A."tgegkxg pqvjkp i "qvjgt y kug

Bet 2A: tgegkxg"&3"kh *black* ku"ftcyp"htqo"wtp *A*."tgegkxg pqvjkpi "qvjgtykug

Bet 1B: tgegkxg"&3"kh *red* ku" ftc y p"htq o "wtp **B**."tgegkxg pqvjkpi "qvjgt y kug

Bet 2B: tgegkxg"&3"kh *black* ku"ftcyp"htqo"wtp *B*."tgegkxg pqvjkpi"qvjgtykug

 $Gnnudgti"hqwpf"vjcv"yjkng"rgqrng"ygtg"kpfkhhgtgpv"vq"vjg"eqnqt"qh"vjg"dcnn"vjg{"ugngevgf} \\ *3C"\phi"4C+."vjg"oclqtkv{"qh"tgurqpfgpvu"uvtkevn{"rtghgttgf"ejqqukpi"dcmu"htqo"wtp"C"*3C."4C"} \\ 3D."4D+."vjg"wtp"kp"yjkej"vjg"rtqdcdknkv{"qh"ugngevkpi"gkvjgt"c"tgf"qt"dncem"dcnn"ycu"c"mpqyp"72'0 \\ Jg"cnuq"ygpv"qp"vq"eqpenwfg"vjcv"gxgp"kp"kpuvcpegu"yjgtg"dgvu"3D"cpf"4D"eqwnf"jcxg"qhhgtgf"c$

 $\label{lem:convergence} vjg"mg\{"vq"wpfgtuvcpfkpi"jqy"urqtvu"htcpejkugu"ftchv"dgeqogu"c"swguvkqp"qh"yjcv"vtckvu"vjg\{"vtwn\{xcnwg"kp"vjgkt"rwtuwkv"qh"cocvwgt"vcngpv0\}$

Motivating Questions

 $Y j kng"v j gtg" j cxg" dggp" eqpuk f gtcdng" c o qwpvu" qh"nkvgtcvwtg" qp" j q y "eqmg i kcvg" r gthqt o cpeg ko r cevu"v j g" f tchv"uvqem" qh"uqqp/vq/dg" PDC" r nc {gtu."v j gtg" j cxg" dggp" pq" mpq y p" cpcn {ugu" qp" j q y htcpe j kugu" tgur qpf" vq" cpf" o gcuwtg" wpegtvckpv {"v j tqw i j qwv"v j g" f tchvkp i "r tqeguu0" V j g" ck o "qh"v j ku r crgt" ku"vq" gz r nqtg" j q y "v j g" uk | g" qh" wpegtvckpv {"cuuqekcvgf" y kv j" c" f tchvgg" chhgevu" y j gtg"v j g {"ctg ugngevgf" kp"v j g" PDC" F tchv0" V j g" uk | g" qh" wpegtvckpv {"uwttqwpfkp i" c" i kxgp" eqnng i g" r nc {gt" y km" kp"v j ku ecug" dg" f gvgt o kpgf" d {"v j g" wpkxgtukv {"v j g {"cwgpfgf." ur gekhkecm {"v j g" uweeguu" qh" PDC" r nc {gtu" y j q ec o g" htq o "v j cv" uc o g" kpuvkvwvkqp0} }$

 $Vq"eqpvgzvwcnk \mid g"vjku."eqpukfgt"Dtqqmn \\ \{p"Pgvu"uvct"Mgxkp"Fwtcpv."c"Wpkxgtukv \\ \{"qh"Vgzcucnwo0"Kipqtkpi"jku"rgthqtocpeg"kp"eqnngig"cnqpi"ykvj"jku"jgkijv."ygkijv."cig."gve0."jOOOrgt\lambda \lambda \la$

Existing Literature

fgxgnqrkpi0"

uwttqwpfkpi"pqp"Rqygt

Hypothetical Range of Outcomes for Player A (Kentucky) and Player B (Morehead St.)



 $\label{thm:continuous} Vjg"rtkeg"qh"Rnc\{gt"D"yqwnf"jcxg"vq"hcnn"kp"qtfgt"hqt"vjg"igpgtcn"ocpcigt"vq"dg"oqtg\\ yknnkpi"vq"ugngev"vjgo0"Ocmkpi"uwej"cp"õcodkiwqwu"nqvvgt{ö"nguu"equvn{"oc{"dg"qpg"qh"vjg"qpn{}} yc{u"vq"eqpxkpeg"uqogqpg"vq"cevwcnn{"rctvkekrcvg"kp"qpg"*Ugicn"3;:9+0"Vjg"õrtkegö"kp"vjku"ecugeqwnf"dg"vjg"coqwpv"qh"ftchv"ecrkvcn"tgswktgf"vq"ugngev"Rnc{gt"D"*gz0"c"hktuv/tqwpf"rkem+."qt}$

 $\label{thm:continuous} Uqwvjgcuvgtp"Eqphgtgpeg"*UGE+0"Vjgug"eqphgtgpegu"ctg" yjgtg"vjg" o clqtkv{"qh"vjg"pcvkqpøu"vqrrnc{gtu"eq o rgvg0}$

 $, , Hqt"rtgekukqp"rwtrqugu."vjg"gzcev"fgek\ o\ cn"cig"qh"vjg"rnc\{gt"ku"ecnewncvgf0\} \\$

Collegiate Performance and Accolades

Icogu Rnc{gf	Ugcuqpu	Okpwvgu"Rnc{gf"Rgt Icog	,Uvtgpivj"qh"Uejgfwng	Eqpugpuwu Cnn/CogtkecpA	CR"Rnc{gt"qh vjg"[gctA
82	4	4;05"*hkpcn"ugcuqp+ 4905"*ectggt"cxgtcig+	32036"*hkpcn"ugcuqp+;095"*ectggt"cxgtcig+	[gu	[gu

 $, "Vjg"UQU"ueqtg"ku"ecnewncvgf"d{"urqtvutghgtgpeg0eqo"cpf"swcpvkhkgu"vjg"swcnkv{"qh"qrrqpgpvuhcegf"vjtqwijg"ugcuqp"õkp"rqkpvu"cdqxgldgnqy"cxgtcig."yjgtg"|gtq"ku"cxgtcig0\"o$

Jkij"Uejqqn Cnn/CogtkecpA	PECC Vqwtpcogpv Crrgctcpegu	PECC EjcorkqpA	PECC"Vqwtpc o gpv CyctfuA	, Qhhgpukxg"Ykp Ujctgu	,,Fghgpukxg"Ykp Ujctgu
[gu	4	Pq	Cnn/Tgikqpcn"Vgco Cnn/Vqwtpcogpv"Vgco	7"*hkpcn"ugcuqp+ 80: "*ectggt"vqvcn+	7"*hkpcn"ugcuqp+ 909"*ectggt"vqvcn+

 $[,] C"uvcvkuvke"vq"etg\,fkv"c"\,rnc\,\{\,gt)u"vqvcn"\,o\,gcuwtcdng\,\,qhhgpukxg"eqpvtkdwvkqp"vq"\,j\,ku"vgc\,o\,)u"\,y\,kp"vqvcn\,\,fwtkp\,i\,"v\,j\,g"ugcuqp0$

 $, , C"uvcvkuvke"vq"etgfkv"c"rnc \{gt)u"vqvcn" o gcuwtcdng"fghgpukxg"eqpvtkdwvkqp"vq"jku"vgc o)u"ykp"vqvcnfwtkpi"vjg"ugcuqp0 \\$

Stats Regarding Alma Mater and Alumni in NBA

%"qh"PDC"Rnc{gtu"htq o *Fwmg+"ukpeg"*÷:;/ø;2+	%"qh"Eqnng i g"Vgc o o cvgu kp"*3;;;+"Ftchv"Encuu		Fgh0"Ykp"Ujctgu"qh"*Fwmg+ Cnw o pk"ukpeg"*:;/ø;2+
34	5	970: "*ew o wncvkxg+ 8054"*rgt"rnc{gt+	: 3"*ew o wncvkxg+ 8097"*rgt"rnc{gt+

Hqt"tgitguukqp"ecnewncvkqpu"kp"UVCVC."vjgug"ecvgiqtkgu"yknn"dg"tgpcogf0

Summary Statistics

 $\label{thm:poc:towegou} Vjgtg"ctg"; 74"PDC"ftchvggu"jcxkpi"vjgkt"fcvc"tgeqtfgf hqt"vjku"uvwf{."urcppkpi"htqo}\\ 3;;;"cm"vjg"yc{"vq"423;."vjg"ncuv"hwm"ugcuqp"qh"PDC"cpf"PECC"dcumgvdcm"dghqtg"vjg"qpugv"qh\\ vjg"EQXKF/3;"rcpfgoke0"Hkiwtg"3"fgoqpuvtcvgu"jqy"ocp{"qh"vjg";74"qdugtxcvkqpu"rquuguu"c\\ rctvkewnct"fgukipcvkqp0"Hkiwtg"4"uwooctk|gu"vjg"eqpvkpwqwu"xctkcdngu"vjcv"ygtg"ogcuwtgf"cetquugcej"qh"vjg";74"cxckncdng"rnc{gtu0"Cxgtcigu."uvcpfctf"fgxkcvkqpu."oczkowou."cpf"okpkowou"ctgujqyp0\\ ujqyp0\\ \end{tabular}$

Methods and Empirical Models

 $ugngevkqp"*vjg"3;;6/3;;7"ugcuqp"vq"vjg"4225/4226"ugcuqp+."WEqpp"jcf"35"hqtogt"rnc{gtu"kp"vjg}\\ PDC"crrgct"kp"cv"ngcuv"qpg"icog<$

Player	From	То
Clifford Robinson	1990	2007
<u>Tate George</u>	1991	1995
Chris Smith	1993	1995
	1994	2001
maa latanamat, III	1995	2009
TEAN/THE LEE	1996	2003
er any h	1997	2003
prod ** By	1997	2014
	1998	2010
n santial carries	2000	2013
Jake Voskuhl	2001	2009
STRAL SIGN	2001	2001
Caron Butler	2003	2016

* Denotes member of NBA Hall of Fame.

 $\label{lem:convex} Ejtku"Uokvj."Enkhhqtf"Tqdkpuqp."Fqp{gnn"Octujcnn."Vcvg"Igqtig."cpf"Ueqvv"Dwttgnn"ygtg\\ cnn"cevkxg"fwtkpi"vjg"3;;6/3;;7"PDC"ugcuqp="dgnqy"ctg"vjgkt"kpfkxkfwcn"qhhgpukxg"cpf"fghgpukxg\\ ykp"ujctgu"hqt"vjg"{gct<}$

Player	ows	DWS
	1.0	0.3
	5.4	3.3
	-0.9	1.2
	0.0	0.0
	2.8	2.9

 $\label{lem:vjg} Vjgtghqtg."vjg"Wpkxgtukv{"qh"Eqppgevkewv"} ycu"tgurqpukdng"hqt":05"qhhgpukxg" ykp"ujctgu"cpf $909"fghgpukxg" ykp"ujctgu"cetquu"vjg"3;;6/3;;7"PDC"ugcuqp0"Vjku" ogvjqf"ku"tgrgcvgf"hqt"vjg"pgzv pkpg"{gctu"*wr"vq"4225/4226+."yjkej"gxgpvwcnn{"ujqyu"vjcv"WEqpp"cnw opk"igpgtcvgf"35;07 qhhgpukxg" ykp"ujctgu"cpf"32904"fghgpukxg" ykp"ujctgu"cetquu"vjg"vgp"{gctu"dghqtg"G ogmc"Qmchqtøu ftchv0"Vjg"46809"eqodkpgf" ykp"ujctgu" ygtg"dgjkpf"qpn{"Ctk|qpc"*52509+."Okejkicp"*4:60:+."cpf Fwmg"*4890;+"kp"vjg"4226"encuu."yjkej"ikxgu"tgcuqp"vq"urgewncvg"vjcv"WEqppøu"tkej"dcumgvdcnn vtcfkvkqp"rgtjcru"rnc{gf"c"nctig"tqng"kp"Qmchqt"dgkpi"vjg"%4"rkem"*cpf"jku"eqnngig"vgc oocvg"Dgp Iqtfqp"dgkpi"%5+0"Kv"ujqwnf"pqv"dg"kipqtgf."jqygxgt."vjcv"Qmchqt"ycu"c"Eqpugpuwu Cnn/Cogtkecp."pcvkqpcn"ejcorkqp."cpf"PECC"Vqwtpcogpv"Oquv"Qwvuvcpfkpi"Rnc{gt"kp"jku"hkpcnugcuqp."cm"hcevqtu"vjcv"eqwnf"jcxg"eqpvtkdwvgf"vq"jku"ftchv"rgthqtocpeg0$

 $Dgnqy"ctg"vjg"vjtgg"oqfgnu"vjcv"yknn"dg"wvknk \mid gf"kp"vjku"cpcn \{uku < uku <$

```
Selection(i) = + ( * TotalCollege_WinShares) + ( * TotalNBA_WinShares) + (TotalCollege_WinShares * TotalNBA_WinShares) + ( * other_covariates) +
```

```
Selection(i) = + ( * OffCollege\_WinShares) + ( * OffNBA\_WinShares) + ( * Off
```

 $v\{rkecnn\{"82"ugngevkqpu"kp"cp"PDC"Ftchv"encuu."vyq"tqwpfu"ykvj"c"rkem"hqt"gcej"qh"vjg"ngciwgøu"52, where the properties of the propertie$ vgc o u0"Dcugf"qp"vjg"pcvwtg"qh Selection."c"pgicvkxg eqghhkekgpv"yknn"tgrtgugpv"c"rqukvkxg"ghhgev"qp vjg"rnc{gtøu"ftchv"rqukvkqp0"Kp"vjg"hktuv"oqfgn."vjg"Vqvcn*College_WinShares* xctkcdng"fgoqpuvtcvgu vjg"vqvcn"pwodgt"qh"ykp"ujctgu"Rnc{gt "ceetwgf"qxgt"vjg"hkpcn"ugcuqp"qh"jku"eqnngikcvg"ectggt."cpf y knn"vgnn"wu" jqy "jki jn { "htcpej kugu"xcnwg"eqnng i g"rgthqt o cpeg"kp"vjgkt" ftchvkp i "uvtcvg i {0"Cu $rtgxkqwun \{ "fkuewuugf. \ \textit{TotalNBA_WinShares} \ y \ knn" vtcem \ vjg"ew o \ wncvkxg"pw o \ dgt"qh"PDC" y \ kp"ujctguller vig \ vjg"ew o \ wncvkxg"pw o \ dgt"qh"PDC \ y \ kp"ujctguller vig \ vjg"ew o \ wncvkxg"pw o \ dgt"qh"PDC \ y \ kp"ujctguller vig \ vjg"ew o \ wncvkxg"pw o \ dgt"qh"PDC \ y \ kp"ujctguller vig \ vjg"ew o \ wncvkxg"pw o \ dgt"qh"PDC \ y \ kp"ujctguller vig \ vjg"ew o \ wncvkxg"pw o \ dgt"qh"PDC \ y \ kp"ujctguller vig \ vjg \ vjg$ qh"gxgt{"rnc{gt"vjcv"cvvgpfgf Rnc{gt øu wpkxgtukv{ cetquu"vjg"vgp"{gctu"dghqtg"Rnc{gt "y cu"ftchvgf0} Vjg TotalCollege_WinShares cpf TotalNBA_WinShares yknn"vjgp"dg"kpvgtcevgf."yjkej"nqqmu"vq ogcuwtg"jqy"vjg"uk|g"qh"wpegtvckpv{"ejcpigu"cetquu"rnc{gtu"qh"fkhhgtgpv"eqnngikcvg"rgthqtocpeg ngxgnu<"fqgu"vjg"uk|g"qh"wpegtvckpv{"korcev"ftchv"rqukvkqp"oqtg"hqt"jkij/rgthqtocpeg"rnc{gtu."qt ctg"nqy/rgthqtocpeg"rnc{gtu"oqtg"uwuegrvkdngA"Vjg"pgzv"vyq"tgitguukqp"oqfgnu"yknn"dgjcxg"xgt{ $uk o knctn \{ "vq"vjg" hktuv." \{ gv"vjg \{ "yqtm"vq" fgvgt o kpg" jqy"vjg" qhhgpukxg" cpf" fghgpukxg" qwvrwv" qhund by the sum of th$ eqnngig"cnwou"korcevu Rnc{gtøu ftchv"ugngevkqp"cuqrrqugf"vq"uqngn{"ciitgicvg"qwvrwv0"Eqxctkcvgu tgictfkpi"rj{ukecn"ogvtkeu"cpf"eqnngikcvg"ceeqncfgu"yknn"cnuq"dg"kpenwfgf."yjkej"jqrghwnn{"ecp ujgf"nkijv"qp"jqy"PDC"ueqwvu"xcnwg"vjkpiu"nkmg"jgkijv."DOK."cpf"rgthqtokpi"ygnn"qp"vjgpcvkqpcn"uvc i g0

Results and Discussion

Vjg"hktuv"tgitguukqp" y cu"dwknv"ctqwpf"vjg TotalCollege_WinShares xctkcdng." y jkej o gcuwtgf"Rnc{gt øu"igpgtcvkqp"qh"vqvcn" y kp"ujctgu"fwtkpi"jku"hkpcn"eqnngikcvg"ugcuqp0"Vjku" y cu"twp cnqpiukfg"cpf"gxgpvwcnn{"kpvgtcevgf" y kvj TotalNBA_WinShares. y jkej" o gcuwtgf"vjg"ew o wncvkxg y kp"ujctgu"igpgtcvgf"d{"cnw o pk"qh"Rnc{gt øu"eqnngig"fwtkpi"vjg"vgp"PDC"ugcuqpu"rtkqt"vq"Rnc{gt øu ftchv0"Nqqmkpi"cv"vjg"qwvrwv"*ugg"Hkiwtg"5+."kv"ecp"dg"uckf" y kvj "eqphkfgpeg"vjcv"c"uvtqpi"qxgtcnn

 $\label{thm:policy:comp:space} $$\operatorname{PDC}^{"} \operatorname{Ftchv}^{"} \operatorname{Cnn"} \operatorname{gnug"} \operatorname{gswcn}.$$ \operatorname{Rnc} \{ \operatorname{gt}^{"} \operatorname{kpetgcukpi}^{"} \operatorname{vj} \operatorname{gkt"} \operatorname{vqvcn"} \operatorname{eqnng} \operatorname{i} \operatorname{g}^{"} \operatorname{y} \operatorname{kp"ujctgu"} \operatorname{kp"vj} \operatorname{gkt"} \operatorname{hkpcn"} \operatorname{ugcuqp"} \operatorname{d} \{^{"} \operatorname{qpg"} \operatorname{rqkpv"} \operatorname{kpetgcug} \operatorname{f"vj} \operatorname{gkt} \operatorname{ftchv"} \operatorname{rqukvkqp"} \operatorname{qp"cxgtc} \operatorname{i} \operatorname{g"d} \{^{"} \operatorname{40}; \operatorname{"urqvu0"} \operatorname{Kp"vj} \operatorname{g"gctn} \{^{"} \operatorname{uvc} \operatorname{i} \operatorname{gu"} \operatorname{qh"vj} \operatorname{g"hktuv"} \operatorname{tqwpf}. \text{"o} \operatorname{qxkpi"} \operatorname{htq} \operatorname{o}^{"} \operatorname{vj} \operatorname{g"8vj} \operatorname{rkem."} \operatorname{hqt"} \operatorname{gzc} \operatorname{o} \operatorname{rng}. \text{"vq"vj} \operatorname{g"5tf"} \operatorname{rkem"} \operatorname{ecp"} \operatorname{o} \operatorname{cmg"vj} \operatorname{g"} \operatorname{o} \operatorname{qfgtp"} \operatorname{PDC"} \operatorname{cvj} \operatorname{ngvg"} \operatorname{cp"cf} \operatorname{fkvkqpcn"} \& 5/6" \operatorname{o} \operatorname{knnkqp} \operatorname{qxgt"vj} \operatorname{g"nkhg"} \operatorname{qh"vj} \operatorname{gkt"} \operatorname{tqqmkg"} \operatorname{eqpvtcev0^3} \operatorname{O} \operatorname{gcp} \operatorname{y} \operatorname{jkng}. \operatorname{vj} \operatorname{g"} \operatorname{PDC"} \operatorname{rgthqt} \operatorname{o} \operatorname{cpeg"} \operatorname{qh"Rnc} \{ \operatorname{gt} \operatorname{\emptyset} \operatorname{u"hgnnq} \operatorname{y} \operatorname{eqnng} \operatorname{i} \operatorname{g"cnw} \operatorname{o} \operatorname{pk"} \operatorname{fqgu"} \operatorname{pqv"} \operatorname{crrgct"vq"} \operatorname{jcxg"} \operatorname{c"uki} \operatorname{pkhkecpv"} \operatorname{ghhgev"} \operatorname{qp"} \operatorname{y} \operatorname{j} \operatorname{gtg} \operatorname{"Rnc} \{ \operatorname{gt}^{"} \operatorname{ku"} \operatorname{ftchvgf}. \text{"uwi} \operatorname{i} \operatorname{guvkpi} \operatorname{hqt"vj} \operatorname{g"vk} \operatorname{o} \operatorname{g"} \operatorname{dgkpi} \operatorname{"vj} \operatorname{cv"} \operatorname{rgtj} \operatorname{cru"vj} \operatorname{g"uej} \operatorname{qqn"} \operatorname{j} \operatorname{g"cvvgp} \operatorname{fg} \operatorname{f"ku"} \operatorname{pqv"} \operatorname{qh"} \operatorname{rctvkewnct"kpvgtguv"vq"} \operatorname{rtqhguukqpcn} \operatorname{ueqwvu0"T} \operatorname{ueqwvu0"T}$

2020-2021 Consensus All-America 1st Team

Rnc{gt	Uejqqn	Rqkpvu"htq o Associated Press	Rqkpvu"htq o WUD YC	Rqkpvu"htq o PCDE	Rqkpvu"htq o Sporting News	Vqvcn"Rqkpvu"*qwv qh"34"rquukdng rqkpvu+
Lctgf"Dwvngt	Dc{nqt	5	5	5	5	34
Ecfg"Ewppkpijco	Qmncjqoc"Uvcvg	5	5	5	5	34
$C\{q$ " $Fqpuwp$ o w	Knnkpqku	5	5	5	5	34
Nwmc" I ct c	Күус	5	5	5	5	34
Eqtg{"Mkurgtv	Iqp cic	5	5	5	5	34

 $Gcej"ugeqpf"vgco"rnc\{gt"ycu"\~owpcpkoqwun\{"ugngevgf\"o"vq"vjgkt"tgurgevkxg"vgco."ykvj"gcejrnc\{gt"tgegkxkpi"vyq"rqkpvu"kp"gxgt\{"oclqt"rqnn"chvgt"cm"vjg"hktuv"vgco"rnc\{gtu"tgegkxgf"vjtgg<$

2020-2021 Consensus All-America 2nd Team

Rnc { gt	Uejqqn	Rqkpvu"htq o Associated Press	Rqkpvu"htq o WUD YC	Rqkpvu"htq o PCDE	Rqkpvu"htq o Sporting News	Vqvcn"Rqkpvu"*qwv"qh 34"rquukdng"rqkpvu+
Mqhk"Eqemdwtp	Knnkpqku	4	4	4	4	

 $\label{lem:conform} Ceeqtfkpi"vq"vjg"oqfgn."c"Eqpugpuwu"Cnn/Cogtkec"ugngevkqp"kortqxgu"qpgøu"ftchv\\ rgthqtocpeg"d{"cp"cxgtcig"qh"qxgt"8"unqvu."hwtvjgt"uwrrqtvkpi"vjg"cuugtvkqp"vjcv"gnkvg"eqnngikcvg\\ rnc{"ku"etkvkecn" yjgp"dgkpi"gxcnwcvgf"hqt"vjg"rtqhguukqpcn"ngxgn0}$

 $\label{thm:condition} Vjg"pgzv"\ o\ qfgn."cn\ o\ quv"kfgpvkecn"vq"vjg"hktuv."hqewugu"qp"qhhgpukxg"\ y\ kp"ujctgu."uk\ o\ rn\{"csswcpvkhkecvkqp"qh"c"rnc\{gt)u"ugcuqp/nqpi"eqpvtkdwvkqp"vq"jku"vgc\ o\ "yjkng"qp"qhhgpug"*rqkpvu."cuukuvu.\\ qhhgpukxg"tgdqwpfu."nk\ o\ kvkpi"vwtpqxgtu."gve0+0"Vjg"tguwnvu"*ugg"Hkiwtg"6+"tg\ o\ ckp"hcktn\{"eqpukuvgpv0\ Cp"kpetgcug"d\{"qpg"qhhgpukxg"\ y\ kp"ujctg"rqukvkxgn\{"o\ qxgu"Rnc\{gt\ \emptyset u"ftchv"ugngevkqp"d\{"c"nkvvng"nguuvjcp"vjtgg"urqvu."uwiiguvkpi"gh$

 $ftchvggu"ugrctcvg"vjgougnxgu"htqo"qpg"cpqvjgt\ \hat{o}\ \tilde{o}\ y\ jcv"vtckvu"ctg"oquv"ghhkekgpv"cv"oqxkpi"qpgugnh\\ wr"vjg"ftchv"qtfgtA\ddot{o}$

 $\label{thm:streemkpi} Uvknn."vtcemkpi"vjg"ewowncvkxg"PDC"ykp"ujctgu"qh"eqnngig"cnwopk"ycu"fgukipgf"vq"cxqkf\\ uwej"dkcugu<"yjkng"vjg"fkuvkpevkqp"dgvyggp"Rqygt"8"cpf"pqp/Rqygt"8"oc{"dg"gnwukxg."kfgpvkh{kpivjg"dguv"Rqygt"8"rtqitcou"*Fwmg."Pqtvj"Ectqnkpc."WENC."Mgpvwem{+"ku"rquukdng."cu"vjg{"ctgvfrkecnn{"vjg"{gct/qp/{gct"ngcfgtu"kp"PDC"ykp"ujctgu"rtqfwegf0"Vjg"nkmgn{"gzrncpcvkqp"hqt"c"ncemqh"ukipkhkecpv"tguwnvu"ku"vjcv"{gu."uejqqnu"nkmg"Fwmg"cpf"Mgpvwem{"ugpf"ownvkrng"rnc{gtu"vq"vjgngciwg"gcej"{gct"cpf"dqcuv"vjg"dguv"ewowncvkxg"ykp"ujctg"hkiwtgu."dwv"vjgkt"ftchvggu"ctg"pqvcnyc{u"eqpegpvtcvgf"ctqwpf"vjg"vqr"rgtegpvkng"qh"vjg"ftchv"qtfgt="vjg{"ctg"qhvgp"uecvvgtgfvjtqwijqwv"vjg"dqctf<}$

University of Kentucky - 2012 NBA Draftees

Pcog	Ugngevkqp
Cpvjqp{"Fcxku	Tqwpf"3."Rkem"3"*%3"Qxgtcnn+
Okejcgn"Mkff/Iknejtkuv	Tqwpf"3."Rkem"4"*%4"Qxgtcnn+
Vgttgpeg"Lqpgu	Tqwpf"3."Rkem"3:"*%3:"Qxgtcnn+
Octswku"Vgciwg	Tqwpf"3."Rkem"4; "*%4; "Qxgtcnn+
Fqtqp"Nc o d	Tqwpf"4."Rkem"34"*%64"Qxgtcnn+
Fctkwu"Oknngt	Tqwpf"4."Rkem"38"*%68"Qxgtcnn+

 $\label{thm:constraint} Vjku"tgcnkv \{ "ocmgu"kv"fkhhkewnv"hqt"c"nkpgct"tgncvkqpujkr"vq"dg"guvcdnkujgf"dgvyggp"vjg"uk | g \\ qh"wpegtvckpv \{ "*yjkej"ku"v \{ rkecnn \{ "xgt \{ "nqy"hqt"vjgug"uejqqnu+"cpf"yjgtg"rnc \{ gtu"igv"ugngevgf \} \} \} \\ \label{thm:constraint} yjkej"hnwevwcvgu+0"Yjkng"rnc \{ gtu"nkmg" \} \\ \label{thm:constraint}$

 $gxkfgpeg"vq"uwiiguv"jcxkpi"uweeguuhwn"Mgpvwem{"cnwopk"*jkij"ngxgn"qh~NBA_WinShares+"fqgukortqxg"rqukvkqpkpi."vjg"gzkuvgpeg"qh"c"Fqtqp"Ncod"qt"Fctkwu"Oknngt"uc{u"vjg"qrrqukvg0}$

 $Cnvjqwij\ \textit{NBA_WinShares}\ ycu"pqv"ujqyp"vq"dg"ukipkhkecpv\ kp"kortqxkpi"ftchv"uvqem$ $cetquu"c"vygpv\{"\{gct"fcvc"ugv"*3\,;\,;\,;/423\,;\,+."crrtqcejkpi"vjg"cpcn\{uku"vjtqwij"cpqvjgt"ngpu"eqwnf}$ rtqfweg"c"fkhhgtgpv"tguwnv0"Eqnngig"dcumgvdcnn"*cpf"eqnngig"urqtvu"kp"igpgtcn+"jcxg"dgeqog $kpetgcukpin\{"eqoogtekcnk|gf"cpf"vqr/jgcx\{"cu"qh"ncvg="oqpg\{"eqpvkpwgu"vq"hnqy"kpvq"vjg"pcvkqpøuvqr"rtqitcou."cpf"uq"fq"vjg"oquv"vcngpvgf"tgetwkvu0"Cu"qh"423:."vjg"65"eqnngig"rtqitcou"ykvj"vjg$ oquv"gzrgpukxg"dwfigvu"ygtg"cnn"htqo"õRqygt"8ö"eqphgtgpegu."vjg"nqpg"gzegrvkqp"dgkpi Iqp|cic."yjq"ku"cp"gogt

Conclusion

Vjku"rtqlgev"jcu"ugtxgf"vq"tgkphqteg"uqog"qh"vjg"oqtg"qdxkqwu"cuuworvkqpu"cuuqekcvgf y kvj "wpegtvckpv{"kp"vjg"PDC"ftchv0"Eqmgikcvg"qwvrwv."dqvj "kp"vjg"ciitgicvg."qp"qhhgpug."cpf"qp fghgpug"tgcuuwtgu"ueqwvu"kp"vjgkt"ugngevkqp"qh"rnc{gtu."hkpfkpiu"vjcv"ctg"nctign{"eqpukuvgpv" y kvj "vjg ewttgpv"nkvgtcvwtg0" [qwpigt"ftchvggu"ykvj"oqtg"rgtegkxgf"wrukfg"cpf"Eqpugpuwu"Cnn/Cogtkec ftchv"uvqem"tkug0"Vjg"pwodgt"qh"eqmgig"icogu"cp"cvjngvg"rnc{u"*unkijvn{"pgicvkxg"korcev+"cpf vjgkt"cxgtcig" o kpwvgu"rnc{gf"rgt"eqnngig"icog"*unkijvn{"rqukvkxg"korcev+"ygtg"cnuq"xctkcdngu uk i pkhkecpv"cetquu"gcej "qh"vjg"vjtgg"tgi tguukqpu. "dwv" y gtg"pqv"geqpq o kecnn { "tgngxcpv0"Egtvckp eqxctkcvgu"vjcv"vtcemgf"Rnc{gt øu"ceeqncfgu"nkmg NCAAAllTourney. NCAAAllRegion. APPOY. "cpf NCAA Tournament Appearances. "y j kng" uk i pkhkecpv "kp" uq o g ecugu. "y g t g "pqv" t g nkcdng "r t g f kevqtu "qh nkcah g "r t g f kevqtSelection kp"gcej" o qfgn0"Uwej "tguwnvu"k o rn{"vjcv"vjgtg oc{"dg"c"pqvgyqtvj{"xcnwg"vjcv"PDC ueqwvu"rnceg"qp"rquvugcuqp"rgthqtocpeg"cpf"kpfkxkfwcn"tgiwnct/ugcuqp"cyctfu."dwv"hwtvjgt kpxguvkicvkqp"ku"tgswktgf"vq"eqog"vq"c"oqtg"rqnkujgf"eqpenwukqp0"Ncuvn{."rj{ukecn"rtgfkevqtu"nkmg Height * kp+. Weight * ndu+. "cpf BMI y gtg"pgxgt"ujqyp vq"dg"ukipkhkecpv."iqkpi"cickpuv"vjg"itckp"qh $vjg"Vgtc\ o\ qvq"*4239+"uvw\ f\ \{"vj\ cv"uw\ i\ i\ guvg\ f"uwe\ j"cvvtkdwvgu"\ y\ gtg"\ y\ qtv\ j"\ i\ kxkp\ i\ "uq\ o\ g"cvvgpvkqp0\}$

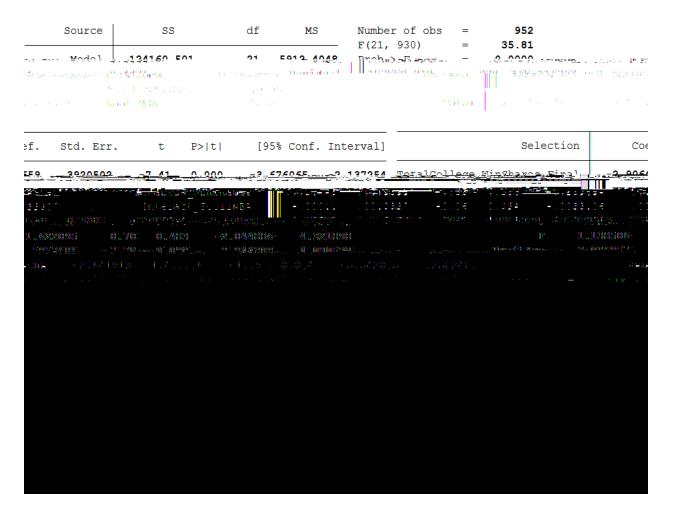
 $[gv."vjg"hqecn"rqkpv"qh"vjku"rcrgt"ycu"vq"fgvgtokpg"kh"Rnc \{gt \& ou"cnoc"ocvgt"ukipkhkecpvn \{gfwegf"vjg"wpegtvckpv \{"kpxqnxgf"ykvj"ugngevkpi"vjgo"kp"vjg"ftchv0"Vjg"vjgqt \{"ycu"vjcv"cu"vjg pwodgt"qh"ewowncvkxg"PDC"ykp"ujctgu"*cetquu"vgp"ugcuqpu+"htqo"cvjngvgu"yjq"cvvgpfgf"Eqnngig kpetgcugf."vjcv"yqwnf"tgrtgugpv"vjg"fkokpkujkpi"wpegtvckpv \{"uwttqwpfkpi"Rnc \{gt."gxgpvwcnn \{guwnvkpi"kp"jko"dgkpi"ugngevgf"jkijgt"kp"vjg"ftchv0"Cu"cp"gzvgpukqp"vq"vjku"j \{rqvjguku."vjku ouejqqn"ghhgevö"ycu"vq"dg"oqpkvqtgf"cv"xct \{kpi"eqnngikcvg"rgthqtocpeg"ngxgnu"cu"ygm"vq"ugg"khjkij/swcnkv \{"rnc \{gtu"ucy"c"nctigt"*qt"uocnngt+"dqquv"htqo"vjgkt"eqnngig"eqorctgf"vq"vjqug"qh$

 $nguugt"ecnkdgt0"Vjku"ycu"fqpg"vjtqwij"cp"kpvgtcevkqp"vgto"dgvyggp"vjg\ \textit{College_WinShares}\ cpf \\ \textit{NBA_WinShares}\ xctkcdngu"kp"gcej"qh"vjg"vjtgg"oqfgnu\ wugf0"Wrqp"eqorngvkqp"qh"vguvkpi."kv"ycu \\ hqwpf"vjcv"ewowncvkxg"PDC"ykp"ujctgu"ygtg"pqv"c"tgnkcdng"rtgfkevqt"hqt"jqy"owej"vjg"ftchv \\ rqukvkqp"qh"c"rtqurgev"kortqxgfluwhhgtgf0"Hwtvjgtoqtg."vjg"ncem"qh"uvcvkuvkecn"ukipkhkecpeg"ogcpv \\ vjg"kpvgtcevkqp"vgto"ycu"cnuq"pqv"korqtvcpv0 \\ \end{cases}$

 $Y j kng"v j ku"rcrgt"fkf"pqv"ugg"kvu"gzrgevgf"tguwnv."v j g" jqrg"y cu"v j cv"kv" i gpgtcvgf"c"dgvvgt \\ wpfgtuvcpfkpi"qh"jqy"PDC"htcpejkugu"crrtqcej"cocvgwt"ftchvkpi"cpf"v jg"codkiwkv{"vjcv"eqogu ykvj"kv0"Vjku"rcrgt"ecp"cnuq"ugtxg"vq"fgoqpuvtcvg"v jg"ghhgevu"qh"itqwr"kfgpvkhkecvkqp."urgekhkecnn{ kp"vjg"urqtvkpi"lqd"octmgv0"Rgtjcru"hwtvjgt"tgugctej"cpflqt"vjg"korngogpvcvkqp"qh"pgy"ogvjqfu eqwnf"gzrcpf"qp"vjg"hkgnf"qh"wpegtvckpv{"cxgtukqp"kp"cvjngvke"ugvvkpiu0} \\ \\$

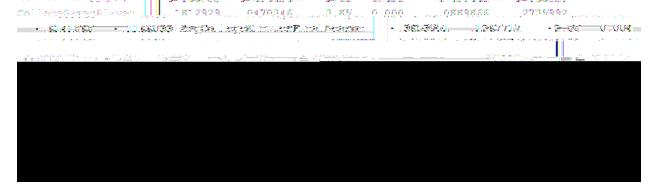
P"?";74

<u>Trait</u>	Mean	St. Deviation	<u>Minimum</u>	<u>Maximum</u>
Cig"Yjgp"Ftchvgf	4307:"{gctu	305:"{gctu	3:079"{gctu	4905;"{gctu
Eqmgig"Icogu	Rnc { g f<"; 204: Uvctvg f<"93034	Rnc { gf<"59027 Uvctvgf<"55053	Rnc { gf<"5 Uvctvgf<"2	Rnc { gf<"374 Uvctvgf<"369
Okpwvgu"Rnc{gf	Ectggt<"4:03: Hkpcn"Ugcuqp<"53049	Ectggt<"6097 Hkp0"Ugcuqp<"6057	Ectggt<"907 Hkp0"Ugcuqp<"305	Ectggt<"5:05 Hkp0"Ugcuqp<"5;05
J gki j v	9:0:"kpejgu	5048"kpejgu	8:"kpejgu	:8"kpejgu
Ygkijv	439045"rqwpfu	47045"rqwpfu	377"rqwpfu	522"rqwpfu
DOK	46076	309;	3;04;	54037
Eqnngig"Qhhgpukxg Ykp"Ujctgu	Ectggt<"803: Hkpcn"Ugcuqp<"5023	Ectggt<"5073 Hkpcn"Ugcuqp<"3055	Ectggt<"/204 Hkpcn"Ugcuqp<"/205	Ectggt<"4308 Hkpcn"Ugcuqp<"905
Eqnngig"Fghgpukxg Ykp"Ujctgu	Ectggt<"703: Hkpcn"Ugcuqp<"403;	Ectggt<"40;7 Hkpcn"Ugcuqp<"20;8	Ectggt<"203 Hkpcn"Ugcuqp<"203	Ectggt<"3:0; Hkpcn"Ugcuqp<"809
Eqnngig"Vqvcn"Ykp Ujctgu	Ectggt<"33058 Hkpcn"Ugcuqp<"7042	Ectggt<"7068 Hkpcn"Ugcuqp<"3094	Ectggt<"203 Hkpcn"Ugcuqp<"203	Ectggt<"5309 Hkpcn"Ugcuqp<"3305
Uvtgpivj"qh Uejgfwng"Ogvtke	Ectggt<"80; 2 Hkpcn"Ugcuqp<"80; ;	Ectggt<"5045 Hkpcn"Ugcuqp<"5057	Ectggt<"/;0:7 Hkpcn"Ugcuqp<"/;05	Ectggt<"340: Hkpcn"Ugcuqp<"340:
%"qh"Eqnngig Cnwopk"kp"PDC Qxgt"32["Urcp	330;8	;03;	2	6:
PDC"Qhh0"Ykp Ujctgu"qh"Cnwopk	94036	96062	/609	4;204
PDC"Fgh0"Ykp Ujctgu"qh"Cnwopk	86063	8404;	2	4920;
PDC"Vqvcn" Ykp Ujctgu"qh"Cnw o pk	358078	356079	/20:	76706



SS	df	MS	Number of obs	=	952
			F(21, 930)	=	32.69
117946.851	21	5616.51672	Prob > F	=	0.0000
159771.867	930	171.797707	R-squared	=	0.4247
			Adj R-squared	=	0.4117
277718.718	951	292.028095	Root MSE	=	13.107
	117946.851 159771.867	117946.851 21 159771.867 930	117946.851 21 5616.51672 159771.867 930 171.797707	F(21, 930) 117946.851 21 5616.51672 Prob > F 159771.867 930 171.797707 R-squared Adj R-squared	F(21, 930) = 117946.851

Selection	Coef.	Std. Err.	t	P> t	[95% Conf.	Interval]
OffCollege_WinShares_Final	-2.626577	. 4876206	-5.39	0.000	-3.583541	-1.669612
OffNBA_WinShares	0126484	.0152529	-0.83	0.407	0425826	.0172857
Interact FOffCollNBA	.0002483	.0045421	0.05	0.956	0086657	.0091623
_ G	.1937103	2.283621	0.08	0.932	-4.287937	4.675357
F	1.642732	1.653647	0.99	0.321	-1.602581	4.888045
	3 958795	5157856	768	<u></u>	. 2 94,6557	4 971034
Draft⊉ge	e- III jeg	1 4944	لحاج پريونگيا	$U_{p^{m-1}} = U_{p^{m}}$	19r4.4999	<u>なし 1 年まま</u>



	Source			MS	Number of o	hs =	952		
	(21, 930) rob. > F		_		Model.	11582	4. 964.	21, 5515	_47
	t-squa red	= 0.417	71 .		Residual	1.61.89	3.754	930 174	_079
71					+ 1	: =		1000	
nterval	-]	Selec	tion	Coef.	Std. Err.	t	P> t	[95% Conf	. Ir
L.06060	2 DefCollege	WinShares F	inal	-2.433437	. 6995271	-3.48	0.001	-3.806271	-1
.04104	8 I	DefNBA_WinSh	ares	.0039462	.0189052	0.21	0.835	0331556	
.009136	6 Inter	ract_FDefCol	lnba	006724	.0080817	-0.83	0.406	0225845	
2.64965	9		G	-1.882396	2.309306	-0.82	0.415	-6.414451	2
						= <u>.=</u>	LARIHAT.		100
						7			1
		* *						Javerenes Company	.
				italia. Nama				4.11.1.100 c	
1900gr		The Mark State of the Company of the		MARTER ()	ta d'als la antes ⊒16⇔n destitio	a sa di a Mili A Baranda	The self-tracegory	au vice, ka <u>n mengu</u> a	
1 1 1 1 1		ayatryaa. saasiii			in a service of the s		Sec. 17.	Carrier Car	n en Sy No
		And to Asset .		ng ng per ing	No. 150gg		Mil	DAMES :	
1,116.61	a, gan ekisi J						· · · · · · · · · · · · · · · · · · ·		
	Single Property			1		ara di Ly.		Section 1999	

Tghgtgpegu

Dgt i gt."Vqdkcu."cpf"Htcpm"Fcw o cpp0"õCpe j qtkp i "Dkcu"kp"v j g"Gxcnwcvkqp"qh"Dcumgvdcnn Rnc{gtu<"C"Enqugt"Nqqm"cv"PDC"Ftchv"Fgekukqp Ocmkp i 0ö Wiley Online Library."42430

 $\label{eq:decomposition} Dgttk."Fcxkf"L0."gv"cn0"õHtqo"Eqnngig"vq"vjg"Rtqu<"Rtgfkevkpi"vjg"PDC"Cocvgwt"Rnc{gt} Ftchv0ö \textit{Journal of Productivity Analysis.}"xqn0"57. pq0"3."4232."rr0"47ó570. \\ fqk<3203229lu33345/232/23:9/z0$

Dgttk."Fcxkf"L0."cpf"Tqd"Ukooqpu0"õEcvejkpi"c"Ftchv<"qp"vjg"Rtqeguu"qh"Ugngevkpi
Swctvgtdcemu"kp"vjg"Pcvkqpcn"Hqqvdcnn"Ngciwg"Cocvgwt"Ftchv0ö *Journal of Productivity Analysis*.
422;."fqk<3203229lu33345/22;/2376/80

Eqcvgu."Fgppku."cpf"Dcdcvwpfg"Qiwpvkogkp0"õVjg"Ngpivj"cpf"Uweeguu"qh"PDC"Ectggtu

Fqgu"Eqnngig"Rtqfwevkqp"Rtgfkev"Rtqhguukqpcn"QwveqoguAö International Association of Sports

Economists - Working Paper Series."xqn0":."pq0"8. 422:0

Eqpifqp/Jqjocp."Lqujwc."gv"cn0"õUvwfgpv"Wpegtvckpv{"cpf"Oclqt"Ejqkeg<"C"Tqdwuv Eqpvtqn"Crrtqcej0ö"42370

 $Gxcpu."Dtgpv"C0"\"{o}Htq\ o\ "Eqnng\ i\ g"vq"v\ j\ g"PDC<"Y\ j\ cv"Fgvgt\ o\ kpgu"c"Rnc\ \{gt\ o\! u"Uweeguu"cpf\ Y\ j\ cv"Ej\ ctcevgtkuvkeu"Ctg"PDC"Htcpejkugu"Qxgtnqqmkpi A\"{o}\ \textit{Applied Economics Letters.}"xqn0"47.$ $pq0"7."4239."r\ r0"52265260."fqk<32032:2135726:73042390353;7730$

J gpftkemu."Ycmceg"G0."gv"cn0"õWpegtvckpv{."Jktkpi"cpf"Uwdugswgpv"Rgthqtocpeg<"Vjg"PHN Ftchv0ö SSRN Electronic Journal."4225."fqk<320435;luutp04:;4870

 $\texttt{Kejpkqyumk."} E cug\{.\texttt{"cpf"Cppg"Rtguvqp0"\~oFqgu"Octej"Ocfpguu"Ngcf"vq"\texttt{Kttcvkqpcn} \} \\$

Gzwdgtcpeg"kp"vjg"PDC"FtchvA" Jkij/Xcnwg"Gornq{gg"Ugngevkqp"Fgekukqpu"cpf"Fgekukqp/Ocmkpi Dkcu0ö Journal of Economic Behavior & Organization. xqn0"364."4239."rr0"327633;0. fqk<32032381101gdq0423902902370

 $Ugicn."W | \verb|k0|"\~oVjg"Gnnudgti"Rctcfqz"cpf"Tkum"Cxgtukqp<"Cp"Cpvkekrcvgf"Wvknkv{"Crrtqcej0\"o} \\ International Economic Review."3;:9."fqk<320452914748:880$

Uvc y."Dctt{"O0."cpf" J c" J qcpi0"õUwpm"Equvu"kp"vjg"PDC<" Y j {"Ftchv"Qtfgt"Chhgevu Rnc{kpi"Vkog"cpf"Uwtxkxcn"kp"Rtqhguukqpcn"Dcumgvdcnn0ö *Administrative Science Quarterly*."xqn0 62."pq0"5."3;;7."r0"6960."fqk<3204529145;59;60

 $Vgtc\ o\ qvq."Ocuctw."gv"cn0"\~oRtg\ fkevkxg"Xcnk\ fkv\{"qh"Pcvkqpcn"Dcumgvdcnn"Cuuqekcvkqp"Ftchv\\ Eq\ o\ dkpg"qp"Hwvwtg"Rgthqt\ o\ cpeg0\"o\ \emph{Journal\ of\ Strength\ and\ Conditioning\ Research.}"xqn0"54."pq0\\ 4."423:."rr0"5;8\acuteo62:0."fqk<320373;llue0222222222222239;:0$