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| Moderated Mediation Model Outcome | | | | | |
| Predictors | Criterion | Path | Est | Se | P-value |
| Covid | M: Referee Bias | A1 | **-.383** | **.088** | **.000 \*\*\*** |
| Occupancy |  | A2 | **.092** | **.044** | **.036\*** |
| Foreigner Share |  | A3 | -.019 | .032 | .558 |
| Attendance |  | A4 | **-.090** | **.041** | **.030\*** |
| Occupancy:Covid |  | A5 | .023 | .063 | .714 |
| Foreigner Share:Covid |  | A6 | -.014 | .052 | .792 |
| Attendance:Covid |  | A7 | -.021 | .065 | .753 |
| Rating Difference |  | A8 | **.022** | **.004** | **.000 \*\*\*** |
| Importance Difference |  | A9 | -.000 | .001 | .587 |
| VAR |  | A10 | .107 | .100 | .284 |
| Shots Difference |  | A11 | **.019** | **.005** | **.000 \*\*\*** |
| League |  | A12 | -.008 | .012 | .489 |
| *R2* |  | - | .054 |  |  |
| Covid | Y: Points Difference | C’1 | **-.265** | **.057** | **.000\*\*\*** |
| Occupancy |  | C’2 | .023 | .047 | .496 |
| Foreigner Share |  | C’3 | .036 | .034 | .290 |
| Attendance |  | C’4 | .069 | .041 | .094 |
| Age |  | C’5 | **.071** | **.033** | **.030\*** |
| Occupancy:Covid |  | C’6 | **-.197** | **.068** | **.004\*\*** |
| Foreigner Share:Covid |  | C’7 | -.010 | .055 | .857 |
| Attendance:Covid |  | C’8 | .042 | .067 | .526 |
| Age:Covid |  | C’9 | -.074 | .055 | .178 |
| Rating Difference |  | C’10 | **.059** | **.002** | **.000\*\*\*** |
| Importance Difference |  | C’11 | **.003** | **.001** | **.000\*\*\*** |
| VAR |  | C’12 | .061 | .098 | .536 |
| League |  | C’13 | .006 | .012 | .630 |
| M: Referee Bias |  | B | **.050** | **.020** | **.012\*** |
| *R2* |  | - | .163 |  |  |
| *Indirect effects:* | | | | | |
| Covid |  | A1\*B | **-.019** | **.007** | **.006\*\*\*** |
| Occupancy:Covid |  | A5\*B | .001 | .003 | .720 |
| Foreigner Share:Covid |  | A6\*B | -.001 | .003 | .795 |
| Attendance:Covid |  | A7\*B | -.001 | .003 | .756 |
| *Total effect moderators:* |  |  |  |  |  |
| Occupancy:Covid |  | A5\*B + C’6 | **-.196** | **.068** | **.004\*\*** |
| Foreigner Share:Covid |  | A6\*B + C’7 | -.011 | .055 | .847 |
| Attendance:Covid |  | A7\*B + C’8 | .041 | .067 | .536 |
| Age:Covid |  | C’9 | -.074 | .055 | .178 |
| *Total effect crowd support:* |  |  |  |  |  |
| A1\*B + C’1 | | | **-.284** | **.056** | **.000\*\*\*** |
| Note:Signif. codes: ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 , we used 5000 bootstraps. Cheung & Lau (2008) recommend a minimum of 500 bootstraps when estimating mediation effects. | | | | | |

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| Moderated Mediation Model Outcome | | | | | |
| Predictors | Criterion | Path | Est | Se | P-value |
| Covid | M: Referee Bias | A1 | **-.339** | **.084** | **.000 \*\*\*** |
| Occupancy |  | A2 | **.084** | **.040** | **.036\*** |
| Foreigner Share |  | A3 | -.018 | .030 | .537 |
| Attendance |  | A4 | **-.086** | **.037** | **.020\*** |
| Occupancy:Covid |  | A5 | .021 | .047 | .711 |
| Foreigner Share:Covid |  | A6 | -.011 | .047 | .812 |
| Attendance:Covid |  | A7 | -.016 | .058 | .789 |
| Rating Difference |  | A8 | .020 | .004 | **.000 \*\*\*** |
| Importance Difference |  | A9 | -.000 | .001 | .584 |
| VAR |  | A10 | .085 | .089 | .336 |
| Shots Difference |  | A11 | .018 | .005 | **.000 \*\*\*** |
| League |  | A12 | -.006 | .011 | .585 |
| *R2* |  | - | .049 |  |  |
| Covid | Y: Goal Difference | C’1 | **-.182** | **.039** | **.000\*\*\*** |
| Occupancy |  | C’2 | .029 | .032 | .897 |
| Foreigner Share |  | C’3 | .027 | .024 | .267 |
| Attendance |  | C’4 | .046 | .031 | .137 |
| Age |  | C’5 | .023 | .024 | .370 |
| Occupancy:Covid |  | C’6 | **-.157** | **.048** | **.001\*\*\*** |
| Foreigner Share:Covid |  | C’7 | .004 | .039 | .918 |
| Attendance:Covid |  | C’8 | .055 | .051 | .282 |
| Age:Covid |  | C’9 | -.049 | .038 | .196 |
| Rating Difference |  | C’10 | .048 | .001 | **.000\*\*\*** |
| Importance Difference |  | C’11 | .002 | .001 | **.000\*\*\*** |
| VAR |  | C’12 | .043 | .066 | .520 |
| League |  | C’13 | .002 | .008 | .781 |
| M: Referee Bias |  | B | **.057** | **.014** | **.001\*\*\*** |
| *R2* |  | - | .211 |  |  |
| *Indirect effects:* | | | | | |
| Covid |  | A1\*B | **-.019** | **.005** | **.000\*\*** |
| Occupancy:Covid |  | A5\*B | .001 | .003 | .704 |
| Foreigner Share:Covid |  | A6\*B | -.001 | .003 | .806 |
| Attendance:Covid |  | A7\*B | -.001 | .003 | .783 |
| *Total effect moderators:* |  |  |  |  |  |
| Occupancy:Covid |  | A5\*B + C’6 | **-.156** | **.048** | **.001\*\*\*** |
| Foreigner Share:Covid |  | A6\*B + C’7 | .003 | .039 | .931 |
| Attendance:Covid |  | A7\*B + C’8 | .054 | .051 | .290 |
| Age:Covid |  | C’9 | -.049 | .038 | .196 |
| *Total effect crowd support:* |  |  |  |  |  |
| A1\*B + C’1 | | | **-.202** | **.039** | **.000\*\*\*** |
| Note:Signif. codes: ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 , we used 5000 bootstraps. Cheung & Lau (2008) recommend a minimum of 500 bootstraps when estimating mediation effects. | | | | | |

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| Moderated Mediation Model Outcome | | | | | |
| Predictors | Criterion | Path | Est | Se | P-value |
| Covid | M: Yellow Card Difference | A1 | **-.293** | **.041** | **.000 \*\*\*** |
| Occupancy |  | A2 | **.076** | **.034** | **.023\*** |
| Foreigner Share |  | A3 | -.018 | .025 | .484 |
| Attendance |  | A4 | **-.081** | **.032** | **.010\*\*** |
| Occupancy:Covid |  | A5 | .019 | .049 | .392 |
| Foreigner Share:Covid |  | A6 | -.008 | .040 | .834 |
| Attendance:Covid |  | A7 | -.010 | .050 | .837 |
| Rating Difference |  | A8 | .017 | 002 | **.000\*\*\*** |
| Importance Difference |  | A9 | -.000 | .001 | .584 |
| VAR |  | A10 | .062 | .070 | .378 |
| Shots Difference |  | A11 | .016 | .003 | **.000\*\*\*** |
| League |  | A12 | -.004 | .009 | .677 |
| *R2* |  | - | .040 |  |  |
| Covid | Y: Points Difference | C’1 | **-.268** | **.056** | **.000\*\*\*** |
| Occupancy |  | C’2 | .023 | .047 | .492 |
| Foreigner Share |  | C’3 | .036 | .025 | .118 |
| Attendance |  | C’4 | .069 | .041 | .095 |
| Age |  | C’5 | **.071** | **.033** | **.033\*** |
| Occupancy:Covid |  | C’6 | **-.197** | **.068** | **.004\*\*** |
| Foreigner Share:Covid |  | C’7 | -.010 | .055 | .853 |
| Attendance:Covid |  | C’8 | .042 | .067 | .530 |
| Age:Covid |  | C’9 | -.074 | .055 | .178 |
| Rating Difference |  | C’10 | .059 | .002 | **.000\*\*\*** |
| Importance Difference |  | C’11 | .003 | .001 | **.000\*\*\*** |
| VAR |  | C’12 | .062 | .095 | .511 |
| League |  | C’13 | .006 | .012 | .647 |
| M: Yellow Card Difference |  | B | **.057** | **.016** | **.000\*\*\*** |
| *R2* |  | - | .163 |  |  |
| *Indirect effects:* | | | | | |
| Covid |  | A1\*B | **-.017** | **.005** | **.001\*\*** |
| Occupancy:Covid |  | A5\*B | .001 | .003 | .705 |
| Foreigner Share:Covid |  | A6\*B | -.000 | .003 | .681 |
| Attendance:Covid |  | A7\*B | -.001 | .003 | .844 |
| *Total effect moderators:* |  |  |  |  |  |
| Occupancy:Covid |  | A5\*B + C’6 | **-.196** | **.068** | **.004\*\*** |
| Foreigner Share:Covid |  | A6\*B + C’7 | -.011 | .056 | .846 |
| Attendance:Covid |  | A7\*B + C’8 | .041 | .067 | .537 |
| Age:Covid |  | C’9 | -.074 | .055 | .179 |
| *Total effect crowd support:* |  |  |  |  |  |
| A1\*B + C’1 | | | **-.284** | **.056** | **.000\*\*\*** |
| Note:Signif. codes: ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 , we used 5000 bootstraps. Cheung & Lau (2008) recommend a minimum of 500 bootstraps when estimating mediation effects. | | | | | |

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| Moderated Mediation Model Outcome | | | | | |
| Predictors | Criterion | Path | Est | Se | P-value |
| Covid | M: Yellow Card Difference | A1 | **-.293** | **.041** | **.000 \*\*\*** |
| Occupancy |  | A2 | **.076** | **.034** | **.025\*** |
| Foreigner Share |  | A3 | -.018 | .025 | .487 |
| Attendance |  | A4 | **-.081** | **.032** | **.010\*\*** |
| Occupancy:Covid |  | A5 | .019 | .049 | .695 |
| Foreigner Share:Covid |  | A6 | -.008 | .040 | .836 |
| Attendance:Covid |  | A7 | -.010 | .049 | .834 |
| Rating Difference |  | A8 | **.017** | **002** | **.000\*\*\*** |
| Importance Difference |  | A9 | -.000 | .001 | .579 |
| VAR |  | A10 | .062 | .070 | .381 |
| Shots Difference |  | A11 | **.016** | **.003** | **.000\*\*\*** |
| League |  | A12 | -.004 | .009 | .674 |
| *R2* |  | - | .040 |  |  |
| Covid | Y: Goal Difference | C’1 | **-.185** | **.039** | **.000\*\*\*** |
| Occupancy |  | C’2 | .029 | .032 | .897 |
| Foreigner Share |  | C’3 | .027 | .024 | .262 |
| Attendance |  | C’4 | .046 | .031 | .145 |
| Age |  | C’5 | .023 | .023 | .325 |
| Occupancy:Covid |  | C’6 | **-.157** | **.047** | **.001\*\*\*** |
| Foreigner Share:Covid |  | C’7 | .004 | .038 | .921 |
| Attendance:Covid |  | C’8 | .055 | .052 | .289 |
| Age:Covid |  | C’9 | -.049 | .038 | .194 |
| Rating Difference |  | C’10 | **.048** | **.001** | **.000\*\*\*** |
| Importance Difference |  | C’11 | **.002** | **.001** | **.000\*\*\*** |
| VAR |  | C’12 | .044 | .066 | .506 |
| League |  | C’13 | .002 | .008 | .797 |
| M: Yellow Card Difference |  | B | **.059** | **.010** | **.000\*\*\*** |
| *R2* |  | - | .211 |  |  |
| *Indirect effects:* | | | | | |
| Covid |  | A1\*B | **-.017** | **.004** | **.000\*\*\*** |
| Occupancy:Covid |  | A5\*B | .001 | .004 | .760 |
| Foreigner Share:Covid |  | A6\*B | -.000 | .002 | .838 |
| Attendance:Covid |  | A7\*B | -.001 | .003 | .937 |
| *Total effect moderators:* |  |  |  |  |  |
| Occupancy:Covid |  | A5\*B + C’6 | **-.156** | **.047** | **.001\*\*\*** |
| Foreigner Share:Covid |  | A6\*B + C’7 | .003 | .038 | .921 |
| Attendance:Covid |  | A7\*B + C’8 | .054 | .052 | .295 |
| Age:Covid |  | C’9 | -.049 | .038 | .194 |
| *Total effect crowd support:* |  |  |  |  |  |
| A1\*B + C’1 | | | **-.202** | **.039** | **.000\*\*\*** |
| Note:Signif. codes: ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 , we used 5000 bootstraps. Cheung & Lau (2008) recommend a minimum of 500 bootstraps when estimating mediation effects. | | | | | |

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| Moderated Mediation Model Outcome | | | | | |
| Predictors | Criterion | Path | Est | Se | P-value |
| Covid | M: Referee Bias | A1 | **-.282** | **.058** | **.000 \*\*\*** |
| Occupancy |  | A2 | **.073** | **.034** | **.030\*** |
| Foreigner Share |  | A3 | -.017 | .025 | .495 |
| Attendance |  | A4 | **-.078** | **.031** | **.013\*** |
| Occupancy:Covid |  | A5 | .018 | .048 | .699 |
| Foreigner Share:Covid |  | A6 | -.008 | .039 | .833 |
| Attendance:Covid |  | A7 | -.010 | .048 | .836 |
| Rating Difference |  | A8 | .017 | .003 | **.000 \*\*\*** |
| Importance Difference |  | A9 | -.000 | .001 | .689 |
| VAR |  | A10 | .060 | .072 | .402 |
| Shots Difference |  | A11 | .015 | .004 | **.000 \*\*\*** |
| League |  | A12 | -.004 | .009 | .677 |
| *R2* |  | - | .041 |  |  |
| Covid | Y: Points Difference | C’1 | **-.267** | **.056** | **.000\*\*\*** |
| Occupancy |  | C’2 | .023 | .047 | .620 |
| Foreigner Share |  | C’3 | .036 | .034 | .295 |
| Attendance |  | C’4 | .069 | .042 | .100 |
| Age |  | C’5 | **.071** | **.032** | **.028\*** |
| Occupancy:Covid |  | C’6 | **-.197** | **.068** | **.004\*\*\*** |
| Foreigner Share:Covid |  | C’7 | -.010 | .056 | .855 |
| Attendance:Covid |  | C’8 | .042 | .066 | .528 |
| Age:Covid |  | C’9 | -.074 | .056 | .184 |
| Rating Difference |  | C’10 | .059 | .002 | **.000\*\*\*** |
| Importance Difference |  | C’11 | .003 | .001 | **.000\*\*\*** |
| VAR |  | C’12 | .062 | .095 | .511 |
| League |  | C’13 | .006 | .012 | .640 |
| M: Referee Bias |  | B | **.060** | **.017** | **.001\*\*\*** |
| *R2* |  | - | .163 |  |  |
| *Indirect effects:* | | | | | |
| Covid |  | A1\*B | **-.017** | **.006** | **.008\*\*** |
| Occupancy:Covid |  | A5\*B | .001 | .003 | .718 |
| Foreigner Share:Covid |  | A6\*B | -.000 | .003 | .844 |
| Attendance:Covid |  | A7\*B | -.001 | .003 | .845 |
| *Total effect moderators:* |  |  |  |  |  |
| Occupancy:Covid |  | A5\*B + C’6 | **-.196** | **.068** | **.004\*\*\*** |
| Foreigner Share:Covid |  | A6\*B + C’7 | -.011 | .056 | .848 |
| Attendance:Covid |  | A7\*B + C’8 | .041 | .066 | .534 |
| Age:Covid |  | C’9 | -.074 | .056 | .184 |
| *Total effect crowd support:* |  |  |  |  |  |
| A1\*B + C’1 | | | **-.284** | **.056** | **.000\*\*\*** |
| Note:Signif. codes: ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 , we used 5000 bootstraps. Cheung & Lau (2008) recommend a minimum of 500 bootstraps when estimating mediation effects. | | | | | |

mdrtdmdtnffctf -0.000 0.003 -0.197 0.844 -0.006 0.005 -0.000 -0.000

mdrtdffctfrgnr -0.010 0.056 -0.182 0.855 -0.121 0.101 -0.010 -0.002

ttlffctfrgnrss -0.011 0.056 -0.191 0.848 -0.121 0.101 -0.011 -0.002

moderatdffctAg -0.074 0.056 -1.329 0.184 -0.185 0.035 -0.074 -0.017

total -0.284 0.056 -5.057 0.000 -0.396 -0.175 -0.284 -0.053

confounderRtng 0.017 0.003 6.354 0.000 0.011 0.022 0.010 0.157

confndrImprtnc -0.000 0.001 -0.541 0.589 -0.002 0.001 -0.000 -0.007

confounderShts 0.015 0.004 3.400 0.001 0.007 0.025 0.009 0.059

counfounderVar 0.060 0.072 0.838 0.402 -0.073 0.213 0.036 0.010