”host\_response\_rate”, “host\_acceptance\_rate”, “host\_total\_listings\_count”, “accommodates”, “bathrooms\_text”, “beds”, “price”, “maximum\_nights\_avg\_ntm”, “availability\_365”, “number\_of\_reviews”, “review\_scores\_location”,  “review\_scores\_value”, “reviews\_per\_month”, “review\_scores\_communication”, “review\_scores\_checkin”, “review\_scores\_cleanliness”, “review\_scores\_accuracy

Logotipo

Descripción generada automáticamenteIcono

Descripción generada automáticamente con confianza baja

Benemérita Universidad Autónoma de Puebla

Facultad de Ciencias de la Computación

Profesor

Alfredo García Suárez

Materia

Inteligencia de Negocios

Equipo:

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Periodo

Primavera 2025

Regresión Logística

Precisión, exactitud y sensibilidad

NSs

**España**

# Creación de los modelos mediante las variables:

|  |  |  |
| --- | --- | --- |
| No. Modelo | Var Dep | Var Indep |
| 1 | "host\_is\_superhost" | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds" |
| 2 | host\_identity\_verified | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds", "reviews\_per\_month", "accommodates" |
| 3 | beds | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates" |
| 4 | bedrooms | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds" |
| 5 | bathrooms | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 6 | instant\_bookable | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 7 | availability\_365 | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 8 | host\_verifications | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds", "reviews\_per\_month", "accommodates" |
| 9 | host\_total\_listings\_count | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "host\_listings\_count", "bedrooms" |
| 10 | room\_type | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "host\_listings\_count", "bedrooms" |

# Tabla de precisión, exactitud y sensibilidad

|  |  |  |  |
| --- | --- | --- | --- |
| No. Modelo | Precisión | Exactitud | Sensibilidad |
| 1 | Precision del modelo para f y t resp  0.7787671232876713  0.24181360201511334 | 0.7260934025203855 | 0.9042468585971052 |
| 2 | Precisión para 'f' y ‘t’: 0.16702127659574467  0.9387561623056504 | 0.6698789226587596 | 0.593198992443325 |
| 3 | Precision para igualOMayorDeDos y menosDos:  0.6505952380952381  0.6444007858546169 | 0.6482579688658265 | Sensibilidad para igualOMayorDeDos y menosDos:  0.7512027491408935  0.5277554304102977 |
| 4 | Precision para igualOMayorDeDos y menosDos:  0.8492856045475495  0.7533123028391168 | 0.830491722263405 | Sensibilidad para igualOMayorDeDos y menosDos:  0.93394154417976  0.5489655172413793 |
| 5 | Precision para menosDeUnMedioBaño y medioBaño:  0.8054350968488002  0.625 | 0.7792191746973066 | Sensiblidad para menosDeUnMedioBaño y medioBaño  0.9266589057043073  0.3531955790485344 |
| 6 | Precisión para 't y ‘f’: 0.6263858093126385  0.6613672496025437 | 0.6535705460835186 | Sensiblidad para 't y ‘f’:  0.34662576687116564  0.8605709557302441 |
| 7 | Precisión para ' masDeMedioAño  y ‘menosDeMedioAño’:  0.5905779504613891  0.6347970173985087 | 0.6235483073881888 | Sensiblidad para ' masDeMedioAño  y ‘menosDeMedioAño:  0.35555555555555557  0.8196405648267009 |
| 8 | Precision para dosOMas y ceroOUno:  0.9302381525138321  0.1478282956565913 | 0.5496664195700519 | Sensibilidad para dosOMas y ceroOUno  0.535447244530601  0.6674311926605505 |
| 9 | Precision para De0-33 y De34-67:  0.9719697939331883  0.7366548042704626 | 0.9638003459352606 | Sensiblidad para De0-33 y De43-67:  0.9903495044340115  0.4859154929577465 |
| 10 | Precision para EntireH&HotelRoom  y Private&SharedRoom:  0.9027750442826216  0.7487553932957186 | 0.8454410674573758 | Sensibilidad para EntireH&HotelRoom  y Private&SharedRoom:  0.8583458083832335  0.8203636363636364 |

**México**

# Creación de los modelos mediante las variables:

|  |  |  |
| --- | --- | --- |
| No. Modelo | Var Dep | Var Indep |
| 1 | "host\_is\_superhost" | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds" |
| 2 | host\_identity\_verified | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds", "reviews\_per\_month", "accommodates" |
| 3 | beds | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates" |
| 4 | bedrooms | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds" |
| 5 | bathrooms | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 6 | instant\_bookable | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 7 | availability\_365 | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 8 | host\_verifications | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds", "reviews\_per\_month", "accommodates" |
| 9 | host\_total\_listings\_count | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "host\_listings\_count", "bedrooms" |
| 10 | room\_type | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "host\_listings\_count", "bedrooms" |

# Tabla de precisión, exactitud y sensibilidad:

|  |  |  |  |
| --- | --- | --- | --- |
| No. Modelo | Precisión | Exactitud | Sensibilidad |
| 1 | Precision del modelo para f y t  0.7567891373801917  0.4256991409248766 | 0.5296551724137931 | Sensiblidad del modelo para f y t  0.376216001588247  0.7927161334240981 |
| 2 | Precisión para 'f' y ‘t’: 0.13559322033898305  0.9768257356304315 | 0.6698789226587596 | Sensiblidad del modelo para f y t  0.5581395348837209  0.8396016249508583 |
| 3 | Precision para igualOMayorQueTres y menorQueTres:  0.7884187082405345  0.900522820404126 | 0.8878996865203762 | Sensibilidad para igualOMayorQueTres y menorQueTres:  0.5014164305949008  0.9710498247752553 |
| 4 | Precision para igualOMayorDeDos y menosDos:  0.8370468905886266  0.9229066022544283 | 0.8905329153605016 | Sensibilidad para igualOMayorDeDos y menosDos:  0.8679310344827587  0.903448275862069 |
| 5 | Precision para menosDeUnMedioBaño y medioBaño:  0.6225165562913907  0.9336656441717791 | 0.9277742946708464 | Sensiblidad para menosDeUnMedioBaño y medioBaño  0.1533442088091354  0.9922575387123065 |
| 6 | Precisión para 't y ‘f’: 0.5657370517928287  0.6302083333333334 | 0.6200626959247649 | Sensiblidad para 't y ‘f’:  0.2222222222222222  0.8859832635983264 |
| 7 | Precisión para ' masDeMedioAño  y ‘menosDeMedioAño’:  0.6115015974440895  0.4 | 0.6075235109717868 | Sensiblidad para ' masDeMedioAño  y ‘menosDeMedioAño:  0.9815384615384616  0.01935483870967742 |
| 8 | Precision para dosOMas y ceroOUno:  0.9212541013488881  0.10894495412844037 | 0.3883385579937304 | Sensibilidad para dosOMas y ceroOUno  0.35150925024342744  0.7251908396946565 |
| 9 | Precision para De0-65 y De66-550:  0.9501578116780641  0.8005390835579514 | 0.9431974921630094 | Sensiblidad para De0-33 y De43-67:  0.9898616248801205  0.4393491124260355 |
| 10 | Precision para EntireH&HotelRoom  y Private&SharedRoom:  0.8511504785176135  0.6546997389033943 | 0.7756739811912226 | Sensibilidad para EntireH&HotelRoom  y Private&SharedRoom:  0.7980145093547155  0.7329192546583851 |

**Grecia**

# Creación de los modelos mediante las variables:

|  |  |  |
| --- | --- | --- |
| No. Modelo | Var Dep | Var Indep |
| 1 | "host\_is\_superhost" | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds" |
| 2 | host\_identity\_verified | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds", "reviews\_per\_month", "accommodates" |
| 3 | beds | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates" |
| 4 | bedrooms | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds" |
| 5 | bathrooms | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 6 | instant\_bookable | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 7 | availability\_365 | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "beds", "bedrooms" |
| 8 | host\_verifications | "minimum\_nights", "minimum\_nights\_avg\_ntm", "beds", "reviews\_per\_month", "accommodates" |
| 9 | host\_total\_listings\_count | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "host\_listings\_count", "bedrooms" |
| 10 | room\_type | "minimum\_nights", "minimum\_nights\_avg\_ntm", "reviews\_per\_month", "accommodates", "host\_listings\_count", "bedrooms" |

# Tabla de precisión, exactitud y sensibilidad:

|  |  |  |  |
| --- | --- | --- | --- |
| No. Modelo | Precisión | Exactitud | Sensibilidad |
| 1 | Precision del modelo para f y t  0.7567891373801917  0.4256991409248766 | 0.5296551724137931 | Sensiblidad del modelo para f y t  0.376216001588247  0.7927161334240981 |
| 2 | Precisión para 'f' y ‘t’: 0.13559322033898305  0.9768257356304315 | 0.6698789226587596 | Sensiblidad del modelo para f y t  0.5581395348837209  0.8396016249508583 |
| 3 | Precision para igualOMayorQueTres y menorQueTres:  0.7884187082405345  0.900522820404126 | 0.8878996865203762 | Sensibilidad para igualOMayorQueTres y menorQueTres:  0.5014164305949008  0.9710498247752553 |
| 4 | Precision para igualOMayorDeDos y menosDos:  0.8370468905886266  0.9229066022544283 | 0.8905329153605016 | Sensibilidad para igualOMayorDeDos y menosDos:  0.8679310344827587  0.903448275862069 |
| 5 | Precision para menosDeUnMedioBaño y medioBaño:  0.6225165562913907  0.9336656441717791 | 0.9277742946708464 | Sensiblidad para menosDeUnMedioBaño y medioBaño  0.1533442088091354  0.9922575387123065 |
| 6 | Precisión para 't y ‘f’: 0.5657370517928287  0.6302083333333334 | 0.6200626959247649 | Sensiblidad para 't y ‘f’:  0.2222222222222222  0.8859832635983264 |
| 7 | Precisión para ' masDeMedioAño  y ‘menosDeMedioAño’:  0.6115015974440895  0.4 | 0.6075235109717868 | Sensiblidad para ' masDeMedioAño  y ‘menosDeMedioAño:  0.9815384615384616  0.01935483870967742 |
| 8 | Precision para dosOMas y ceroOUno:  0.9212541013488881  0.10894495412844037 | 0.3883385579937304 | Sensibilidad para dosOMas y ceroOUno  0.35150925024342744  0.7251908396946565 |
| 9 | Precision para De0-65 y De66-550:  0.9501578116780641  0.8005390835579514 | 0.9431974921630094 | Sensiblidad para De0-33 y De43-67:  0.9898616248801205  0.4393491124260355 |
| 10 | Precision para EntireH&HotelRoom  y Private&SharedRoom:  0.8511504785176135  0.6546997389033943 | 0.7756739811912226 | Sensibilidad para EntireH&HotelRoom  y Private&SharedRoom:  0.7980145093547155  0.7329192546583851 |