Data Analysis sugli Imperatori Romani

dal 26 A.C. al 395 D.C.

Analisi delle cause di morte e relazione con i metodi di ascesa al potere

La fase iniziale del progetto ha richiesto la pulizia e la preparazione dei dati utilizzando Microsoft Excel. Di seguito, i principali step eseguiti:

Divisione dei dati in più colonne

Adattamento del formato dei dati

Controllo dei duplicati

Rimozione delle colonne non necessarie

Esportazione del file

File Excel prima:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Index,Name,Full Name,Birth,Death,Birth City,Birth Province,Succession,Reign Start,Reign End,Cause,Killer,Dynasty,Era,Notes,Verif,Image,,,																					
2	52,Galerius,CAESAR GALERIVS VALERIVS MAXIMIANVS AVGVSTVS,0260-01-01T00:53:28+00:53,0311-05-01T00:53:28+00:53,Romuliana,Moesia Superior,Appointment by Emperor,0305-05-01T00:53:28+00:53,0311-05-01T00:53:28+00:53,Natu...																					
3	57,Lucinius,CAESAR GAIVS VALERIVS LICINIVS AVGVSTVS,0250-01-01T00:53:28+00:53,0325-03-01T00:53:28+00:53,Felix Romuliana,Moesia Superior,Birthright,0308-11-11T00:53:28+00:53,0324-09-18T00:53:28+00:53,Execution,Other Empero...																					
4	33,Philip I,CAESAR MARCVS IVLIVS PHILIPPVS AVGVSTVS,0204-01-01T00:53:28+00:53,0249-10-01T00:53:28+00:53,Shahba,Syria,Seized Power,0244-02-14T00:53:28+00:53,0249-10-01T00:53:28+00:53,Execution,Other Emperor,Gordian,Princi...																					
5	36,Trebonianus Gallus,CAESAR GAIVS VIBIVS TREBONIANVS GALLVS AVGVSTVS,0206-01-01T00:53:28+00:53,0253-08-15T00:53:28+00:53,,Italia,Appointment by Army,0251-06-15T00:53:28+00:53,0253-08-15T00:53:28+00:53,Assassination,Oth...																					
6	31,Balbinus,CAESAR DECIMVS CAELIVS CALVINVS BALBINVS PIVS AVGVSTVS,0178-01-01T00:53:28+00:53,0238-07-29T00:53:28+00:53,,Unknown,Appointment by Senate,0238-04-22T00:53:28+00:53,0238-07-29T00:53:28+00:53,Assassination,...																					
7	42,Aurelian,CAESAR LVCIVS DOMITIVS AVRELIANVS AVGVSTVS,0214-09-09T00:53:28+00:53,0275-09-15T00:53:28+00:53,Sirmium,Pannonia,Appointment by Army,0270-09-15T00:53:28+00:53,0275-09-15T00:53:28+00:53,Assassination,Praet...																					
8	47,Numerian,CAESAR MARCVS AVRELIVS NVMERIVS NVMERIANVS AVGVSTVS,,0284-11-20T00:53:28+00:53,,Unknown,Birthright,0283-08-01T00:53:28+00:53,0284-11-20T00:53:28+00:53,Unknown,Unknown,Gordian,Principate,"death, reign...																					
9	48,Carinus,CAESAR MARCVS AVRELIVS CARINVS AVGVSTVS,,0285-08-01T00:53:28+00:53,,Unknown,Birthright,0283-08-01T00:53:28+00:53,0285-08-01T00:53:28+00:53,Died in Battle,Opposing Army,Gordian,Principate,"death, reign.end, rei...																					
10	2,Tiberius,TIBERIVS CAESAR DIVI AVGVSTI FILIVS AVGVSTVS,0041-11-16T00:53:28+00:53,0037-03-16T00:53:28+00:53,Rome,Italia,Birthright,0014-09-18T00:53:28+00:53,0037-03-16T00:53:28+00:53,Assassination,Other Emperor,Julio-Claudian...																					
11	6,Galba,SERVIVS SVLPICIVS GALBA CAESAR AVGVSTVS,0002-12-24T00:53:28+00:53,0069-01-15T00:53:28+00:53,Terracina,Italia,Seized Power,0068-06-08T00:53:28+00:53,0069-01-15T00:53:28+00:53,Assassination,Other Emperor,Flavian,Prin...																					
12	20,Didius Julianus,CAESAR MARCVS DIDIVS SEVERVS IVLIANVS AVGVSTVS,0133-01-30T00:53:28+00:53,0193-07-01T00:53:28+00:53,Milan,Italia,Purchase,0193-03-28T00:53:28+00:53,0193-07-01T00:53:28+00:53,Execution,Senate,Severan,Pri...																					
13	23,Geta,CAESAR PVBLIVS SEPTIMIVS GETA AVGVSTVS,0189-03-07T00:53:28+00:53,0211-12-19T00:53:28+00:53,Rome,Italia,Birthright,0209-01-01T00:53:28+00:53,0211-12-26T00:53:28+00:53,Assassination,Other Emperor,Severan,Principate,...																					
14	46,Carus,CAESAR MARCVS AVRELIVS CARVS AVGVSTVS,0230-01-01T00:53:28+00:53,0283-08-01T00:53:28+00:53,Narbo,Gallia Narbonensis,Seized Power,0282-10-01T00:53:28+00:53,0283-08-01T00:53:28+00:53,Natural Causes,Lightning,Gord...																					
15	62,Julian,CAESAR FLAVIVS CLAVDIVS IVLIANVS AVGVSTVS,0331-07-01T00:53:28+00:53,0363-06-26T00:53:28+00:53,Constantinople,Thrace,Birthright,0360-02-14T00:53:28+00:53,0363-06-26T00:53:28+00:53,Died in Battle,Opposing Army,Cor...																					
16	60,Constans,CAESAR FLAVIVS IVLIVS CONSTANS AVGVSTVS,0320-01-01T00:53:28+00:53,0350-02-14T00:53:28+00:53,,Moesia,Birthright,0337-05-22T00:53:28+00:53,0350-02-14T00:53:28+00:53,Assassination,Usurper,Constantinian,Dominate...																					
17	1,Augustus,IMPERATOR CAESAR DIVI FILIVS AVGVSTVS,0062-09-23T00:53:28+00:53,0014-08-19T00:53:28+00:53,Rome,Italia,Birthright,0026-01-16T00:53:28+00:53,0014-08-19T00:53:28+00:53,Assassination,Wife,Julio-Claudian,Principate,"bi...																					
18	34,Trajan Decius,CAESAR GAIVS MESSIVS QVINTVS TRAIANVS DECIVS AVGVSTVS,0201-01-01T00:53:28+00:53,0251-06-15T00:53:28+00:53,Budalia,Pannonia Inferior,Appointment by Army,0249-10-01T00:53:28+00:53,0251-06-15T00:53:28+00...																					
19	43,Tacitus,CAESAR MARCVS CLAVDIVS TACITVS AVGVSTVS,0200-01-01T00:53:28+00:53,0276-06-15T00:53:28+00:53,Interamna Nahars,Italia,Appointment by Senate,0275-09-25T00:53:28+00:53,0276-06-15T00:53:28+00:53,Natural Causes,Dis...																					
20	45,Probus,CAESAR MARCVS AVRELIVS PROBVS AVGVSTVS,0232-08-19T00:53:28+00:53,0282-10-01T00:53:28+00:53,Sirmium,Pannonia,Appointment by Army,0276-09-15T00:53:28+00:53,0282-10-01T00:53:28+00:53,Assassination,Own Army,...																					
21	25,Elagabalus,MARCVS AVRELIVS ANTONINVS AVGVSTVS,0203-01-01T00:53:28+00:53,0222-03-11T00:53:28+00:53,Emesa,Syria,Birthright,0218-06-08T00:53:28+00:53,0222-03-11T00:53:28+00:53,Assassination,Praetorian Guard,Severan,Prin...																					
22	27,Maximinus I,CAESAR GAIVS IVLIVS VERVS MAXIMINVS AVGVSTVS,0173-01-01T00:53:28+00:53,0238-06-15T00:53:28+00:53,,Thrace,Appointment by Praetorian Guard,0235-03-20T00:53:28+00:53,0238-06-15T00:53:28+00:53,Assassination,...																					
23	39,Gallienus,CAESAR PVBLIVS LICINIVS EGNATIVS GALLIENVS AVGVSTVS,0218-01-01T00:53:28+00:53,0268-09-15T00:53:28+00:53,,Unknown,Birthright,0253-10-15T00:53:28+00:53,0268-09-15T00:53:28+00:53,Assassination,Own Army,Gordia...																					
24	28,Gordian I,CAESAR MARCVS ANTONIVS GORDIANVS SEMPRONIANVS AFRICANVS,0159-01-01T00:53:28+00:53,0238-04-12T00:53:28+00:53,,Phrygia,Appointment by Senate,0238-03-22T00:53:28+00:53,0238-04-12T00:53:28+00:5...																					
25	16,Marcus Aurelius,CAESAR MARCVS AVRELIVS ANTONINVS AVGVSTVS,0121-04-26T00:53:28+00:53,0180-03-17T00:53:28+00:53,Rome,Italia,Birthright,0161-03-07T00:53:28+00:53,0180-03-17T00:53:28+00:53,Natural Causes,Disease,Nerva-A...																					
26	11,Domitian,TITVS FLAVIVS CAESAR DOMITIANVS AVGVSTVS,0051-10-24T00:53:28+00:53,0096-09-18T00:53:28+00:53,Rome,Italia,Birthright,0081-09-14T00:53:28+00:53,0096-09-18T00:53:28+00:53,Assassination,Court Officials,Flavian,Princ...																					
27	8,Vitellius,AVLVS VITELLIVS GERMANICVS AVGVSTVS,0015-09-24T00:53:28+00:53,0069-12-20T00:53:28+00:53,Rome,Italia,Seized Power,0069-04-17T00:53:28+00:53,0069-12-20T00:53:28+00:53,Assassination,Other Emperor,Flavian,Principa...																					
28	51,Constantius I,CAESAR GAIVS FLAVIVS VALERIVS CONSTANTIVS AVGVSTVS,0250-03-31T00:53:28+00:53,0306-07-25T00:53:28+00:53,Dardania,Moesia,Appointment by Emperor,0305-05-01T00:53:28+00:53,0306-07-25T00:53:28+00:53,Natur...																					
29	35,Hostilian,CAESAR CAIVS VALENS HOSTILIANVS MESSIVS QVINTVS AVGVSTVS,0230-01-01T00:53:28+00:53,0251-10-01T00:53:28+00:53,Sirmium,Pannonia,Birthright,0251-06-15T00:53:28+00:53,0251-10-01T00:53:28+00:53,Natural Causes,D...																					
30	22,Caracalla,CAESAR MARCVS AVRELIVS SEVERVS ANTONINVS PIVS AVGVSTVS,0188-04-04T00:53:28+00:53,0217-04-08T00:53:28+00:53,Lugdunum,Gallia Lugdunensis,Birthright,0198-01-01T00:53:28+00:53,0217-04-08T00:53:28+00:53,Assass...																					
31	40,Claudius Gothicus,CAESAR MARCVS AVRELIVS CLAVDIVS AVGVSTVS,0213-05-10T00:53:28+00:53,0270-01-15T00:53:28+00:53,Sirmium,Pannonia,Seized Power,0268-09-15T00:53:28+00:53,0270-01-15T00:53:28+00:53,Natural Causes,Disea...																					
32	58,Constantine II,CAESAR FLAVIVS CLAVDIVS CONSTANTINVS AVGVSTVS,0316-02-01T00:53:28+00:53,0340-01-01T00:53:28+00:53,Arelate,Gallia Narbonensis,Birthright,0337-05-22T00:53:28+00:53,0340-01-01T00:53:28+00:53,Execution,Othe...																					
33	63,Jovian,CAESAR FLAVIVS IOVIANVS AVGVSTVS,0331-01-01T00:53:28+00:53,0364-02-17T00:53:28+00:53,Singidunum,Moesia,Appointment by Army,0363-06-26T00:53:28+00:53,0364-02-17T00:53:28+00:53,Natural Causes,Fire,Constantian...																					
34	29,Gordian II,CAESAR MARCVS ANTONIVS GORDIANVS SEMPRONIANVS ROMANVS AFRICANVS,0192-01-01T00:53:28+00:53,0238-04-12T00:53:28+00:53,,Unknown,Appointment by Senate,0238-03-22T00:53:28+00:53,0238-04-12T...																					
35	30,Pupienus,CAESAR MARCVS CLODIVS PVPIENVS MAXIMVS AVGVSTVS,0178-01-01T00:53:28+00:53,0238-07-29T00:53:28+00:53,,Unknown,Appointment by Senate,0238-04-22T00:53:28+00:53,0238-07-29T00:53:28+00:53,Assassination,Prae...																					
36	54,Constantine the Great,CAESAR FLAVIVS VALERIVS AVRELIVS CONSTANTINVS AVGVSTVS,0272-02-27T00:53:28+00:53,0337-05-22T00:53:28+00:53,Naissus,Moesia Superior,Birthright,0306-07-25T00:53:28+00:53,0337-05-22T00:53...																					
37	26,Severus Alexander,CAESAR MARCVS AVRELIVS SEVERVS ALEXANDER AVGVSTVS,0208-10-01T00:53:28+00:53,0235-03-18T00:53:28+00:53,Arca Caesarea,Syria,Birthright,0222-03-13T00:53:28+00:53,0235-03-18T00:53:28+00:53,Assassinatio...																					
38	49,Diocletian,CAESAR GAIVS AVRELIVS VALERIVS DIOCLETIANVS AVGVSTVS,0244-12-22T00:53:28+00:53,0311-12-03T00:53:28+00:53,Salona,Dalmatian,Seized Power,0284-11-20T00:53:28+00:53,0305-05-01T00:53:28+00:53,Natural Causes,Di...																					

roman-emperors

File Excel dopo:

Index	Name	Succession	Cause	Killer	Dynasty	Era
1	Augustus	Birthright	Assassination	Wife	Julio-Claudian	Principate
2	Tiberius	Birthright	Assassination	Other Emperor	Julio-Claudian	Principate
3	Caligula	Birthright	Assassination	Senate	Julio-Claudian	Principate
4	Claudius	Birthright	Assassination	Wife	Julio-Claudian	Principate
5	Nero	Birthright	Suicide	Senate	Julio-Claudian	Principate
6	Galba	Seized Power	Assassination	Other Emperor	Flavian	Principate
7	Otho	Appointment by Praetorian Guard	Suicide	Other Emperor	Flavian	Principate
8	Vitellius	Seized Power	Assassination	Other Emperor	Flavian	Principate
9	Vespasian	Seized Power	Natural Causes	Disease	Flavian	Principate
10	Titus	Birthright	Natural Causes	Disease	Flavian	Principate
11	Domitian	Birthright	Assassination	Court Officials	Flavian	Principate
12	Nerva	Appointment by Senate	Natural Causes	Disease	Nerva-Antonine	Principate
13	Trajan	Birthright	Natural Causes	Disease	Nerva-Antonine	Principate
14	Hadrian	Birthright	Natural Causes	Heart Failure	Nerva-Antonine	Principate
15	Antonius Pius	Birthright	Natural Causes	Disease	Nerva-Antonine	Principate
16	Marcus Aurelius	Birthright	Natural Causes	Disease	Nerva-Antonine	Principate
17	Lucius Verus	Birthright	Natural Causes	Disease	Nerva-Antonine	Principate
18	Commodus	Birthright	Assassination	Praetorian Guard	Nerva-Antonine	Principate
19	Pertinax	Appointment by Praetorian Guard	Assassination	Praetorian Guard	Severan	Principate
20	Didius Julianus	Purchase	Execution	Senate	Severan	Principate
21	Septimus Severus	Seized Power	Natural Causes	Disease	Severan	Principate
22	Caracalla	Birthright	Assassination	Other Emperor	Severan	Principate
23	Geta	Birthright	Assassination	Other Emperor	Severan	Principate
24	Macrinus	Seized Power	Execution	Other Emperor	Severan	Principate
25	Elagabalus	Birthright	Assassination	Praetorian Guard	Severan	Principate
26	Severus Alexander	Birthright	Assassination	Own Army	Severan	Principate
27	Maximinus I	Appointment by Praetorian Guard	Assassination	Praetorian Guard	Gordian	Principate
28	Gordian I	Appointment by Senate	Suicide	Other Emperor	Gordian	Principate
29	Gordian II	Appointment by Senate	Execution	Other Emperor	Gordian	Principate
30	Pupienus	Appointment by Senate	Assassination	Praetorian Guard	Gordian	Principate
31	Balbinus	Appointment by Senate	Assassination	Praetorian Guard	Gordian	Principate
32	Gordian III	Appointment by Senate	Died in Battle	Opposing Army	Gordian	Principate
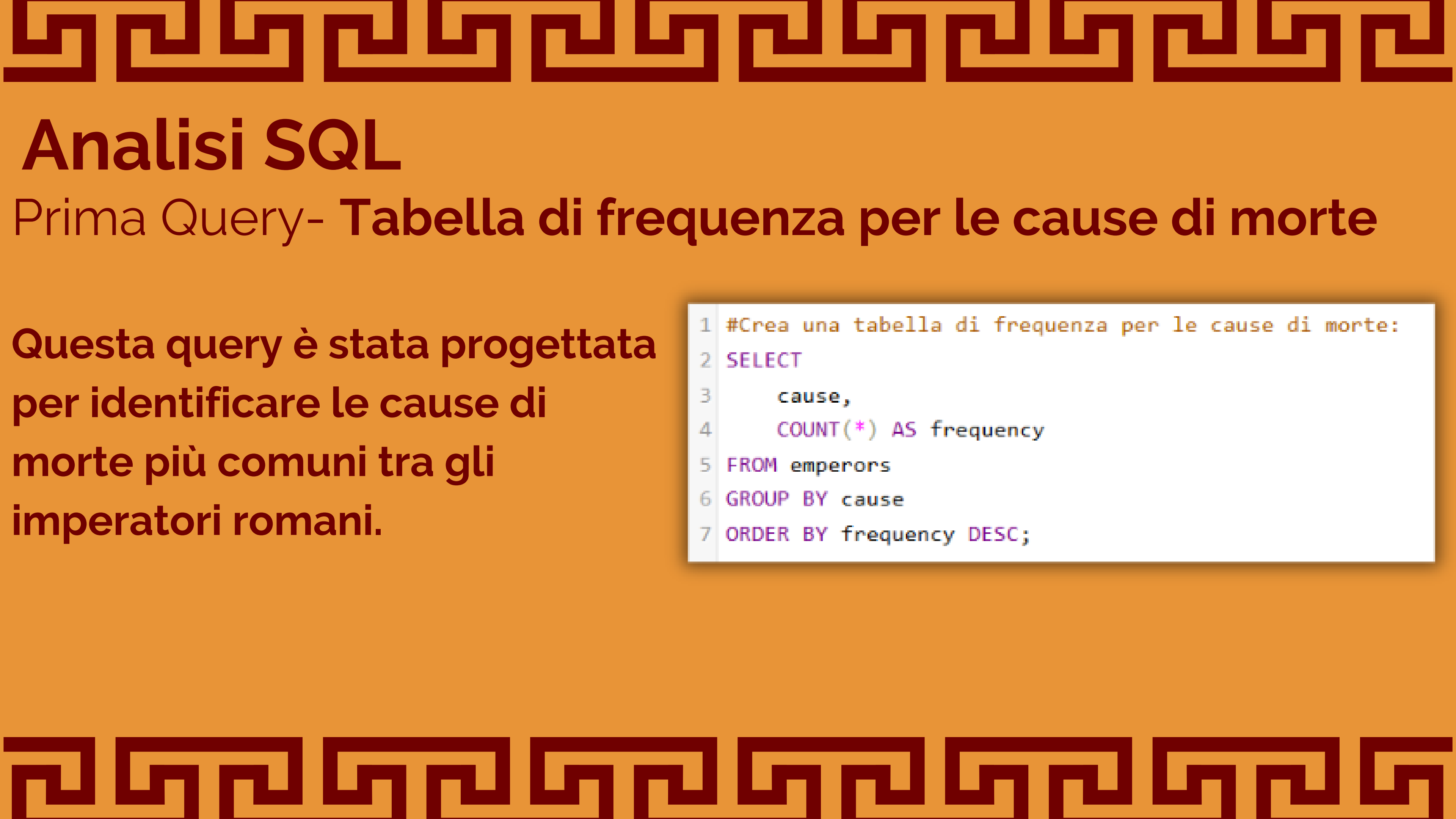
Analisi SQL
Prima Query- **Tabella di frequenza per le cause di morte**

Questa query è stata progettata per identificare le cause di morte più comuni tra gli imperatori romani.

```sql
1 #Crea una tabella di frequenza per le cause di morte:
2 SELECT
3     cause,
4     COUNT(*) AS frequency
5 FROM emperors
6 GROUP BY cause
7 ORDER BY frequency DESC;
```
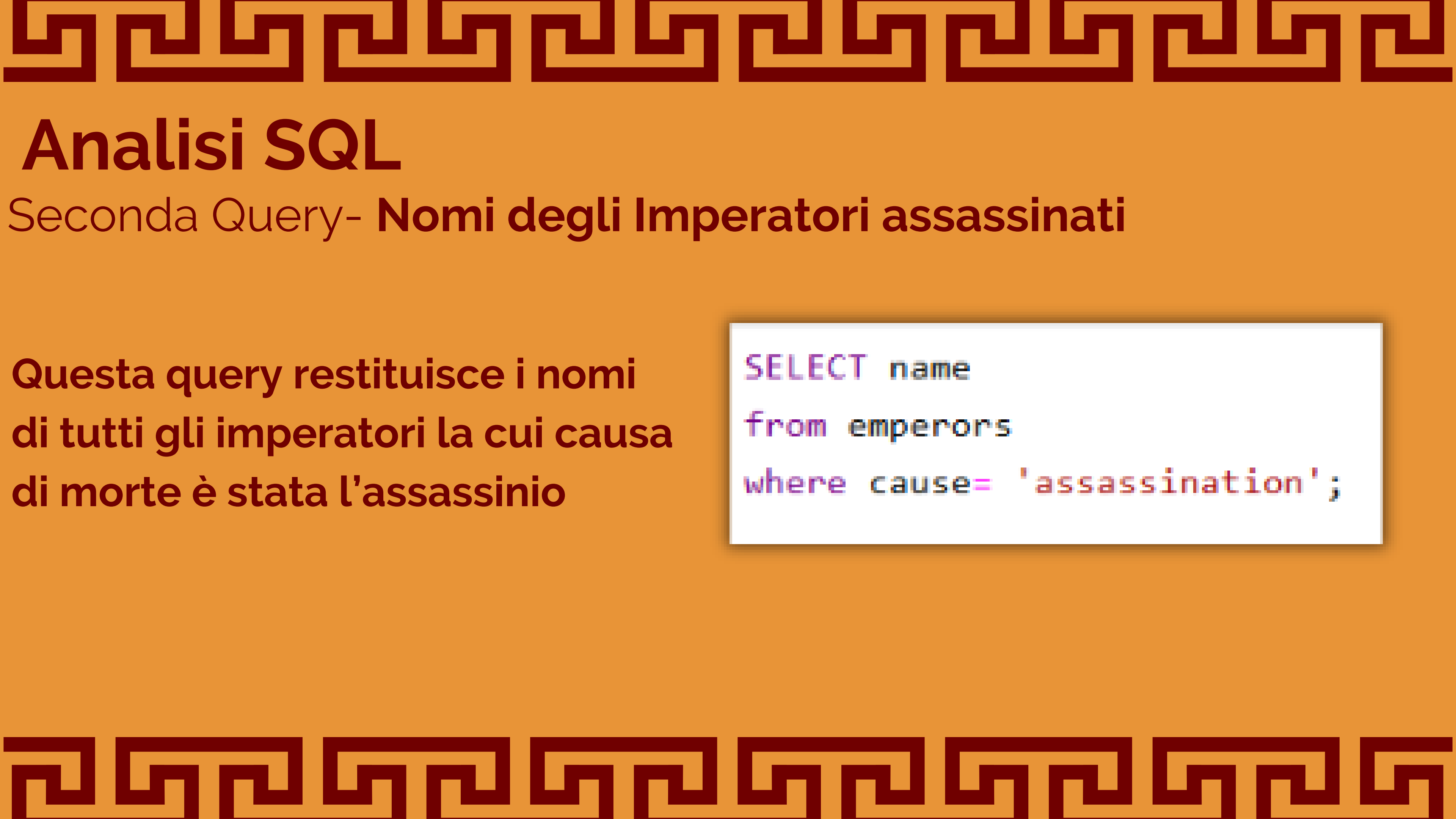
Analisi SQL

Seconda Query- **Nomi degli Imperatori assassinati**

Questa query restituisce i nomi di tutti gli imperatori la cui causa di morte è stata l'assassinio

```sql
SELECT name
from emperors
where cause= 'assassination';
```
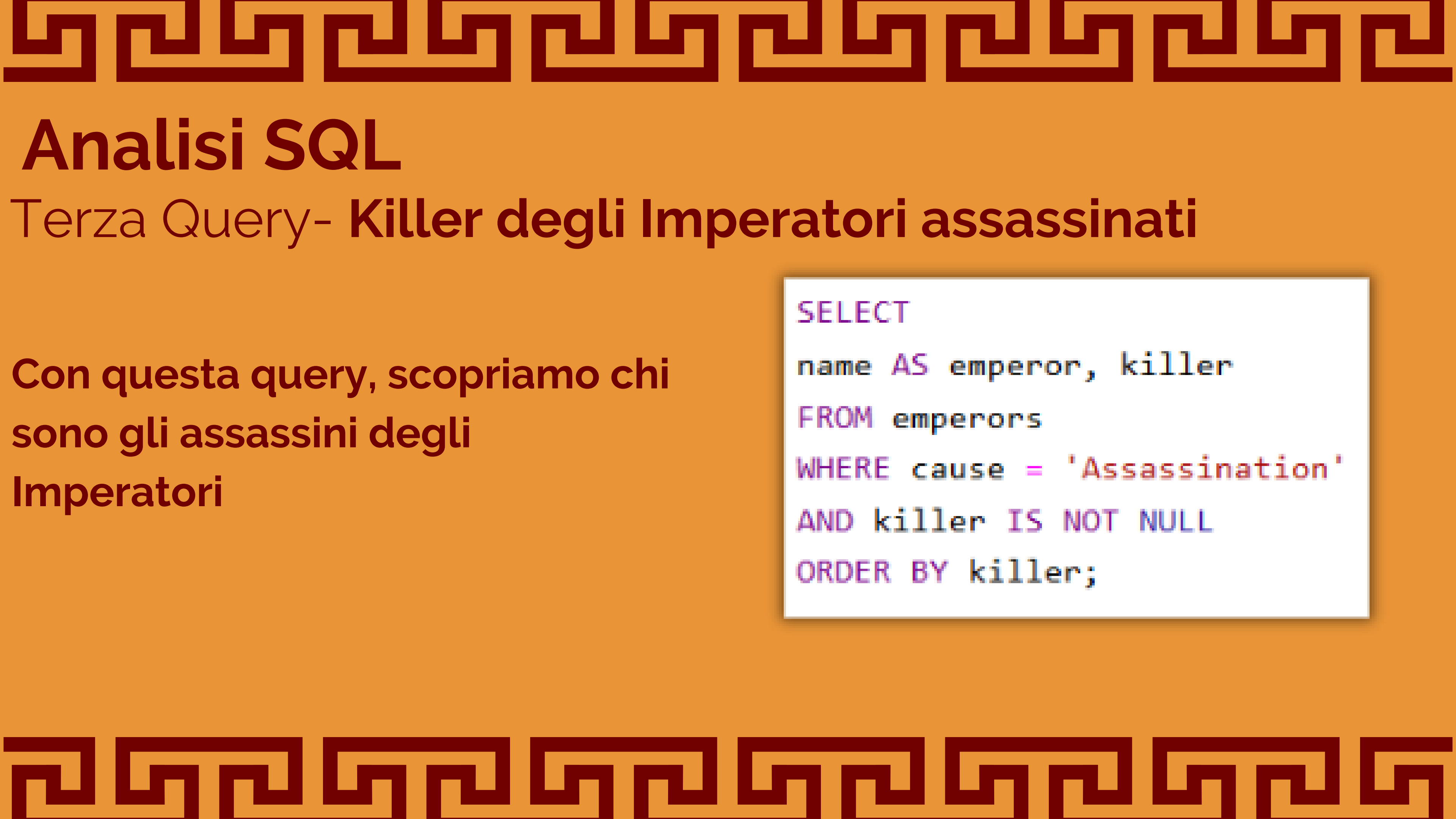
Analisi SQL
Terza Query- **Killer degli Imperatori assassinati**

Con questa query, scopriamo chi sono gli assassini degli Imperatori

```sql
SELECT

name AS emperor, killer

FROM emperors

WHERE cause = 'Assassination'

AND killer IS NOT NULL

ORDER BY killer;
```
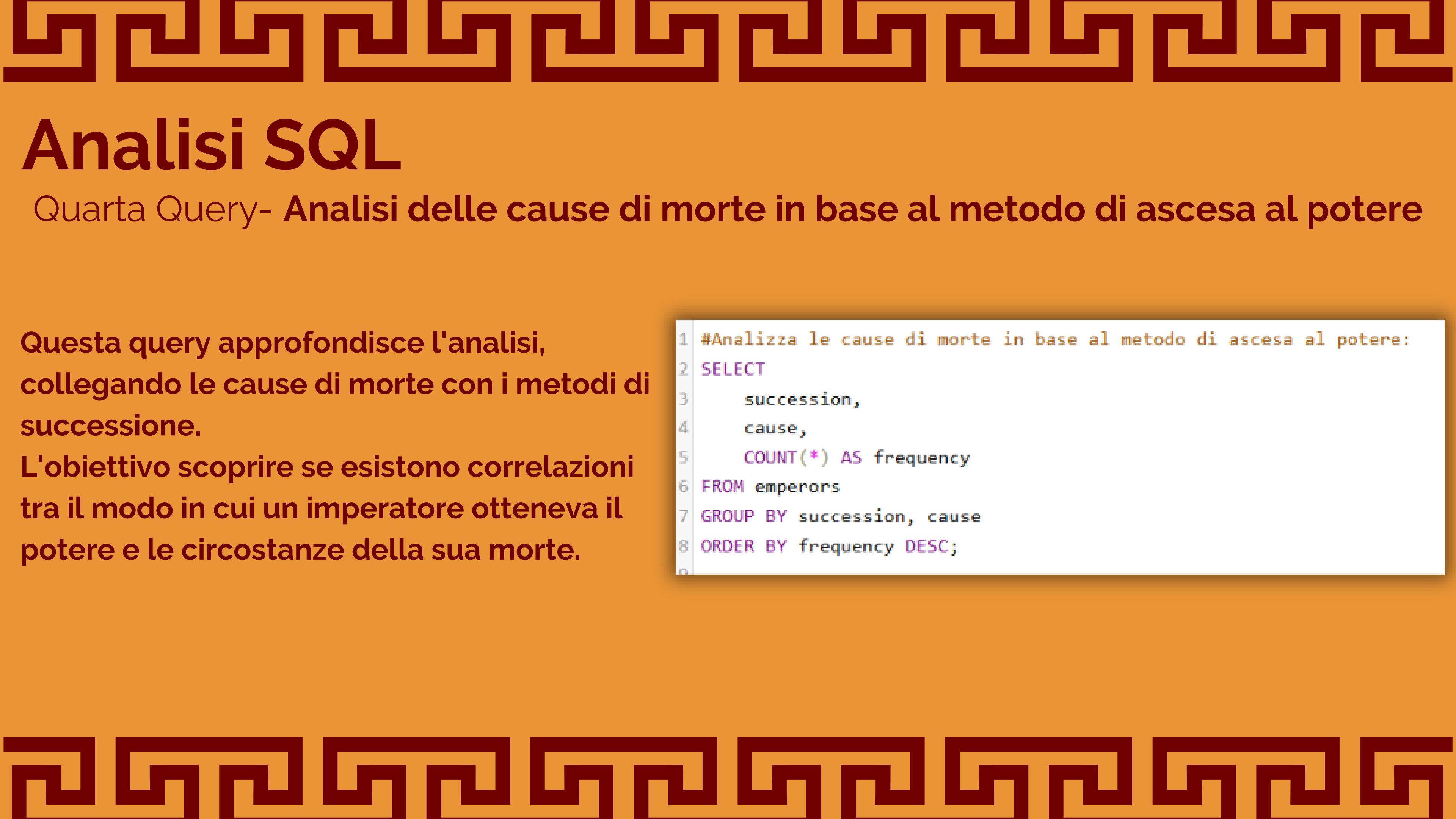
Analisi SQL

Quarta Query- **Analisi delle cause di morte in base al metodo di ascesa al potere**

Questa query approfondisce l'analisi, collegando le cause di morte con i metodi di successione.
L'obiettivo scoprire se esistono correlazioni tra il modo in cui un imperatore otteneva il potere e le circostanze della sua morte.

```
1  #Analizza le cause di morte in base al metodo di ascesa al potere:
2  SELECT
3      succession,
4      cause,
5      COUNT(*) AS frequency
6  FROM emperors
7  GROUP BY succession, cause
8  ORDER BY frequency DESC;
```

Data Visualization con Power BI

Dopo aver eseguito le query SQL, i risultati ottenuti sono stati esportati e caricati in Power BI.

Imperatori assassinati ▲
Aemilian
Augustus
Aurelian
Balbinus
Caligula
Caracalla
Claudius
Commodus
Constans
Domitian
Elagabalus
Florian
Galba
Gallienus
Geta
Gratian
Maximinus I
name
Pertinax
Probus
Pupienus
Severus Alexander
Severus II
Tiberius
Trebonianus Gallus
Vitellius

INTERPRETAZIONE DEI RISULTATI

- L'**assassinio è la causa di morte più comune**, con 25 casi su un totale di 69 imperatori. Questo suggerisce una significativa instabilità politica e un alto livello di conflitti interni.
- Il 32% degli **imperatori sono stati assassinati da altri imperatori**. Potrebbe derivare da una competizione accesa e dalla fragilità della leadership imperiale.
- La **Guardia Pretoriana** (responsabile della protezione dell'imperatore) **risulta essere coinvolta in molti omicidi**. Ciò dimostra quanto fosse pericoloso affidarsi a un corpo armato così potente e vicino al potere, che spesso agiva in base ai propri interessi o veniva corrotto da fazioni rivali.

68
Totale Imperatori analizzati

Cause di morte degli Imperatori

Assassination — 25
Natural Causes — 21
Execution — 8
Died in Battle — 5
Suicide — 5
Unknown — 3
Captivity — 1

Cause / Frequenza
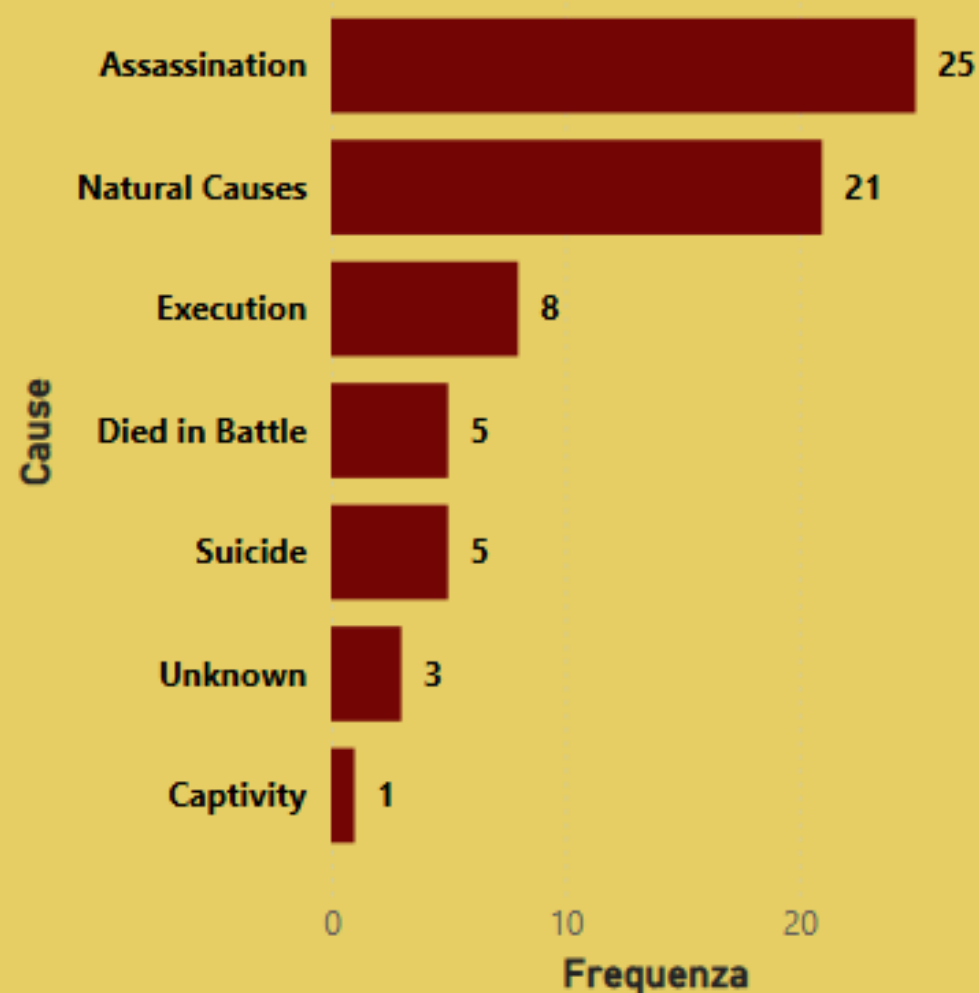
Killer degli imperatori

- Other Emperor
- Praetorian Guard
- Own Army
- Wife
- Court Officials
- Senate
- Usurper

8 (32%) Other Emperor
7 (28%) Praetorian Guard
5 (20%) Own Army
2 (8%) Wife
1 (4%) Court Officials
1 (4%) Senate
1 (4%) Usurper

Analisi delle cause di morte in base al metodo di ascesa al potere
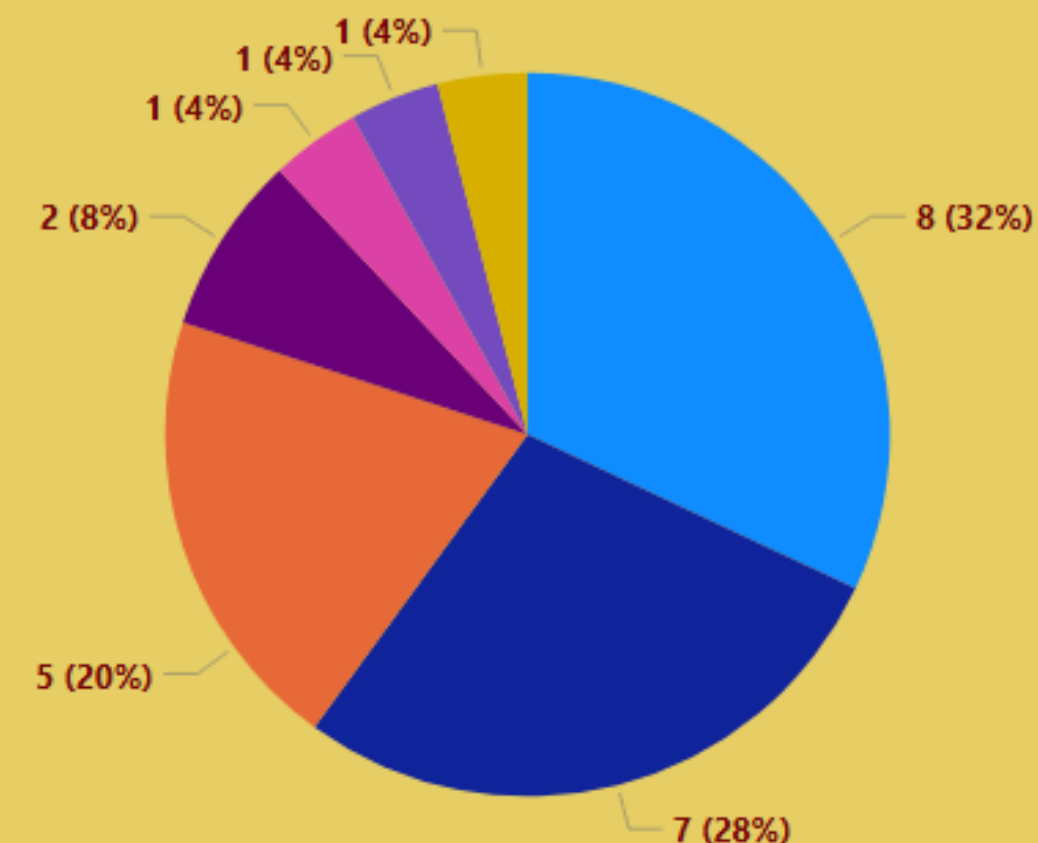
Analisi degli assassini in base al metodo di ascesa al potere

Succession ●Appointment ... ●Appointment ... ●Appointment ... ●Appointme... ●Birthright ●Seized Po...

Grafico a barre – asse Y: Frequenza (0–14), asse X: Assassination Cause. Valori delle barre: 4, 1, 2, 2, 14, 2.
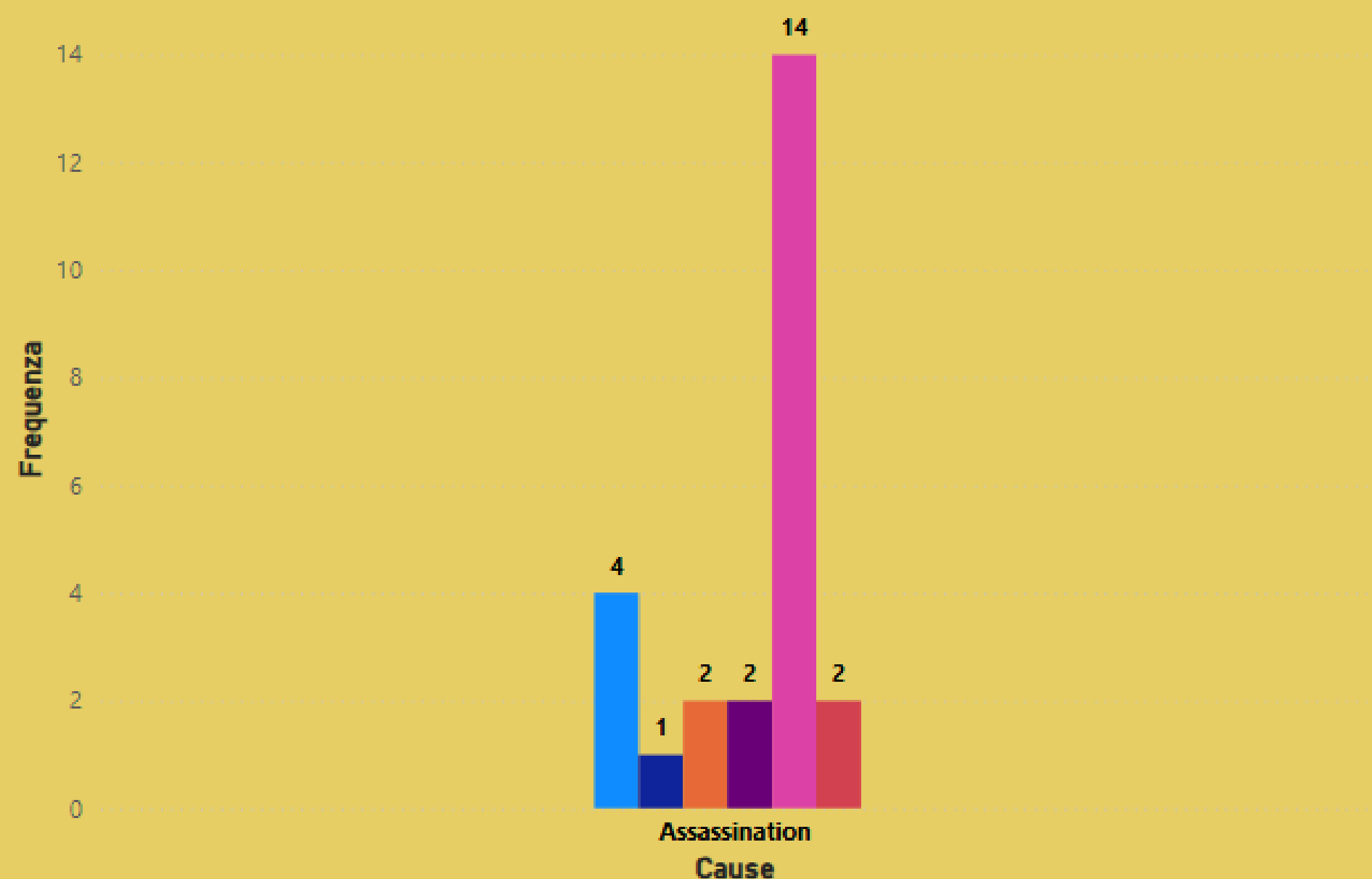
- **Diritto di Nascita** è il metodo di ascesa al potere più comune tra gli imperatori assassinati, con **14 casi** (56% degli assassinii). Questo dato potrebbe indicare che gli imperatori che succedevano per nascita erano particolarmente vulnerabili a cospirazioni, probabilmente a causa delle rivalità dinastiche.

- **Nomina da parte dell'esercito** conta **4 casi di assassinio**, sottolineando che l'appoggio militare non garantiva una protezione duratura contro le trame politiche.

Gratias vobis ago pro vestra attentione!

(Grazie per la vostra attenzione!)