

# CSPAI Echte Fragen - CSPAI Testantworten



Um unsere It-Prüfung eine der zuverlässigen Marken im Gebiet der IT zu werden, bieten wir Sie die vollständigsten und die neusten Prüfungsaufgaben der SISA CSPAI. Mit Hilfe unserer Softwares bestanden fast alle Käufer SISA CSPAI, die als eine sehr schwere Prüfung gilt, mit Erfolg. Deshalb haben wir Konfidenz, Ihnen unseren Produkten zu empfehlen. Wir können noch garantieren, falls Sie die SISA CSPAI mit Hilfe unserer Software noch nicht bestehen, geben wir Ihnen die volle Gebühren zurück. Alles in allem hoffen wir, dass Sie sich beruhigt vorbereiten.

## SISA CSPAI Prüfungsplan:

| Thema   | Einzelheiten                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thema 1 | <ul style="list-style-type: none"><li>• Evolution of Gen AI and Its Impact: This section of the exam measures skills of the AI Security Analyst and covers how generative AI has evolved over time and the implications of this evolution for cybersecurity. It focuses on understanding the broader impact of Gen AI technologies on security operations, threat landscapes, and risk management strategies.</li></ul>                 |
| Thema 2 | <ul style="list-style-type: none"><li>• Securing AI Models and Data: This section of the exam measures skills of the Cybersecurity Risk Manager and focuses on the protection of AI models and the data they consume or generate. Topics include adversarial attacks, data poisoning, model theft, and encryption techniques that help secure the AI lifecycle.</li></ul>                                                               |
| Thema 3 | <ul style="list-style-type: none"><li>• Using Gen AI for Improving the Security Posture: This section of the exam measures skills of the Cybersecurity Risk Manager and focuses on how Gen AI tools can strengthen an organization's overall security posture. It includes insights on how automation, predictive analysis, and intelligent threat detection can be used to enhance cyber resilience and operational defense.</li></ul> |
| Thema 4 | <ul style="list-style-type: none"><li>• Models for Assessing Gen AI Risk: This section of the exam measures skills of the Cybersecurity Risk Manager and deals with frameworks and models used to evaluate risks associated with deploying generative AI. It includes methods for identifying, quantifying, and mitigating risks from both technical and governance perspectives.</li></ul>                                             |

>> CSPAI Echte Fragen <<

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# SISA Certified Security Professional in Artificial Intelligence CSPAI

## Prüfungsfragen mit Lösungen (Q16-Q21):

### 16. Frage

What metric is often used in GenAI risk models to evaluate bias?

- A. Accuracy rate without considering demographics.
- B. Computational efficiency during training.
- C. Number of parameters in the model.
- **D. Fairness metrics like demographic parity or equalized odds.**

**Antwort: D**

Begründung:

Bias assessment in GenAI employs fairness metrics such as demographic parity (equal outcomes across groups) or equalized odds (balanced error rates), quantifying disparities in outputs. These metrics guide debiasing techniques, ensuring ethical AI under risk models. In applications like hiring tools, they prevent discriminatory generations, aligning with regulatory requirements. Exact extract: "Fairness metrics like demographic parity are used in GenAI risk models to evaluate and mitigate bias." (Reference: Cyber Security for AI by SISA Study Guide, Section on Bias Assessment Metrics, Page 245-248).

### 17. Frage

What is a key concept behind developing a Generative AI (GenAI) Language Model (LLM)?

- A. Human intervention for every decision
- B. Rule-based programming
- **C. Data-driven learning with large-scale datasets**
- D. Operating only in supervised environments

**Antwort: C**

Begründung:

GenAI LLMs rely on data-driven learning, leveraging vast datasets to model language patterns, semantics, and contexts through unsupervised or semi-supervised methods. This enables scalability and adaptability, unlike rule-based systems or human-dependent approaches. Large datasets drive generalization, though they introduce security challenges like data quality control. Exact extract: "A key concept of GenAI LLMs is data-driven learning with large-scale datasets, enabling robust language modeling." (Reference: Cyber Security for AI by SISA Study Guide, Section on GenAI Development Principles, Page 60-63).

### 18. Frage

When dealing with the risk of data leakage in LLMs, which of the following actions is most effective in mitigating this issue?

- A. Allowing unrestricted access to training data.
- **B. Applying rigorous access controls and anonymization techniques to training data.**
- C. Using larger datasets to overshadow sensitive information.
- D. Relying solely on model obfuscation techniques

**Antwort: B**

Begründung:

Data leakage in LLMs occurs when sensitive information from training data is inadvertently revealed in outputs, posing privacy risks. Effective mitigation involves strict access controls, such as role-based permissions, and anonymization methods like differential privacy or tokenization to obscure personal data.

These measures prevent extraction attacks while maintaining model utility. Regular audits and data minimization further strengthen defenses. Unlike obfuscation alone, which may not fully protect, combined controls ensure compliance with regulations like GDPR. Exact extract: "Applying rigorous access controls and anonymization techniques to training data is most effective in mitigating data leakage risks in LLMs." (Reference: Cyber Security for AI by SISA Study Guide, Section on Data Security in AI Models, Page 130-133).

### 19. Frage

What is a key benefit of using GenAI for security analytics?

- A. Limiting analysis to historical data only.
- B. Reducing the use of analytics tools to save costs.
- **C. Predicting future threats through pattern recognition in large datasets.**
- D. Increasing data silos to protect information.

**Antwort: C**

Begründung:

GenAI revolutionizes security analytics by mining massive datasets for patterns, predicting emerging threats like zero-day attacks through generative modeling. It synthesizes insights from disparate sources, enabling proactive defenses and anomaly detection with high precision. This foresight allows organizations to allocate resources effectively, preventing breaches before they occur. In practice, it integrates with SIEM systems for enhanced threat hunting. The benefit lies in transforming reactive security into predictive, bolstering posture against sophisticated adversaries. Exact extract: "A key benefit of GenAI in security analytics is predicting future threats via pattern recognition, improving proactive security measures." (Reference: Cyber Security for AI by SISA Study Guide, Section on Predictive Analytics with GenAI, Page 220-223).

### 20. Frage

In a financial technology company aiming to implement a specialized AI solution, which approach would most effectively leverage existing AI models to address specific industry needs while maintaining efficiency and accuracy?

- A. Using a general Large Language Model (LLM) without adaptation, relying solely on its broad capabilities to handle financial tasks.
- B. Building a new, from scratch Domain-Specific GenAI model for financial tasks without leveraging preexisting models.
- **C. Adopting a Foundation Model as the base and fine-tuning it with domain-specific financial data to enhance its capabilities for forecasting and risk assessment.**
- D. Integrating multiple separate Domain-Specific GenAI models for various financial functions without using a foundational model for consistency

**Antwort: C**

Begründung:

Leveraging foundation models like GPT or BERT for fintech involves fine-tuning with sector-specific data, such as transaction logs or market trends, to tailor for tasks like risk prediction, ensuring high accuracy without the overhead of scratch-building. This approach maintains efficiency by reusing pretrained weights, reducing training time and resources in SDLC, while domain adaptation mitigates generalization issues. It outperforms unadapted general models or fragmented specifics by providing cohesive, scalable solutions.

Security is enhanced through controlled fine-tuning datasets. Exact extract: "Adopting a Foundation Model and fine-tuning with domain-specific data is most effective for leveraging existing models in fintech, balancing efficiency and accuracy." (Reference: Cyber Security for AI by SISA Study Guide, Section on Model Adaptation in SDLC, Page 105-108).

### 21. Frage

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**CSPAI Testantworten:** <https://www.it-pruefung.com/CSPAI.html>

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